



Enduring Resources

475 17th Street Suite 1500 Denver Colorado 80202
Telephone 303 573-1222 Fax 303 573 0461

December 8, 2005

Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
P. O. Box 145801
Salt Lake City, Utah 84114-5801

Attn.: Ms. Diana Whitney

RE: Archy Bench #11-22-21-1
NENW Sec 1 T11S-R22E
Uintah County, Utah

Dear Ms. Whitney:

Enclosed is an original application to drill concerning the above-referenced proposed well. This information was also submitted to the Bureau of Land Management.

Enduring Resources, LLC is requesting the Utah Division of Oil, Gas and Mining to hold this application and all future information as confidential.

If any questions arise or additional information is required, please contact me at 303-350-5114.

Very truly yours,

ENDURING RESOURCES, LLC

Alvin R. (Al) Arlian
Landman-Regulatory Specialist

ara
Enclosures:

RECEIVED
DEC 12 2005
DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 3

AMENDED REPORT ☐
(highlight changes)

APPLICATION FOR PERMIT TO DRILL				5. MINERAL LEASE NO: UTU-73903	6. SURFACE: Federal
1A. TYPE OF WORK: DRILL <input checked="" type="checkbox"/> REENTER <input type="checkbox"/> DEEPEN <input type="checkbox"/>				7. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
B. TYPE OF WELL: OIL <input type="checkbox"/> GAS <input checked="" type="checkbox"/> OTHER _____ SINGLE ZONE <input checked="" type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>				8. UNIT or CA AGREEMENT NAME:	
2. NAME OF OPERATOR: Enduring Resources, LLC				9. WELL NAME and NUMBER: Archy Bench 11-22-21-1	
3. ADDRESS OF OPERATOR: 475 17th St., Ste 1500 CITY Denver STATE CO ZIP 80220			PHONE NUMBER: (303) 350-5114		
4. LOCATION OF WELL (FOOTAGES) AT SURFACE: NENW 2155' FWL - 1233' FNL AT PROPOSED PRODUCING ZONE: Same				11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 1 11S 22E S	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE: 37.7 miles southwest of Bonanza, UT				12. COUNTY: Uintah	
15. DISTANCE TO NEAREST PROPERTY OR LEASE LINE (FEET) 1233'		16. NUMBER OF ACRES IN LEASE: 1341		17. NUMBER OF ACRES ASSIGNED TO THIS WELL: 40 acres	
18. DISTANCE TO NEAREST WELL (DRILLING, COMPLETED, OR APPLIED FOR) ON THIS LEASE (FEET) 1142.40'		19. PROPOSED DEPTH: 8,142		20. BOND DESCRIPTION: RLB0008031	
21. ELEVATIONS (SHOW WHETHER DF, RT, GR, ETC.): 5720' RT-KB		22. APPROXIMATE DATE WORK WILL START: 2/16/2006		23. ESTIMATED DURATION: 20 days	

24. PROPOSED CASING AND CEMENTING PROGRAM							
SIZE OF HOLE	CASING SIZE, GRADE, AND WEIGHT PER FOOT			SETTING DEPTH	CEMENT TYPE, QUANTITY, YIELD, AND SLURRY WEIGHT		
20"	14"	line pipe		40	3 yards	Ready Mix	
11"	8-5/8"	J-55	24#	2,000	Premium Lead	138 sxs	3.50 11.1
					Premium Tail	138 sxs	1.15 15.8
7-7/8"	4-1/2"	N-80	11.6#	6,315	Class G	139 sxs	3.3 11.0
					50/50 Poz Class G	884 sxs	1.56 14.3

25. ATTACHMENTS		CONFIDENTIAL
VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES:		
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER <input checked="" type="checkbox"/> EVIDENCE OF DIVISION OF WATER RIGHTS APPROVAL FOR USE OF WATER	<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN <input type="checkbox"/> FORM 5, IF OPERATOR IS PERSON OR COMPANY OTHER THAN THE LEASE OWNER	

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE	DATE <u>12/8/2005</u>

(This space for State use only)

API NUMBER ASSIGNED: 43-047-37489

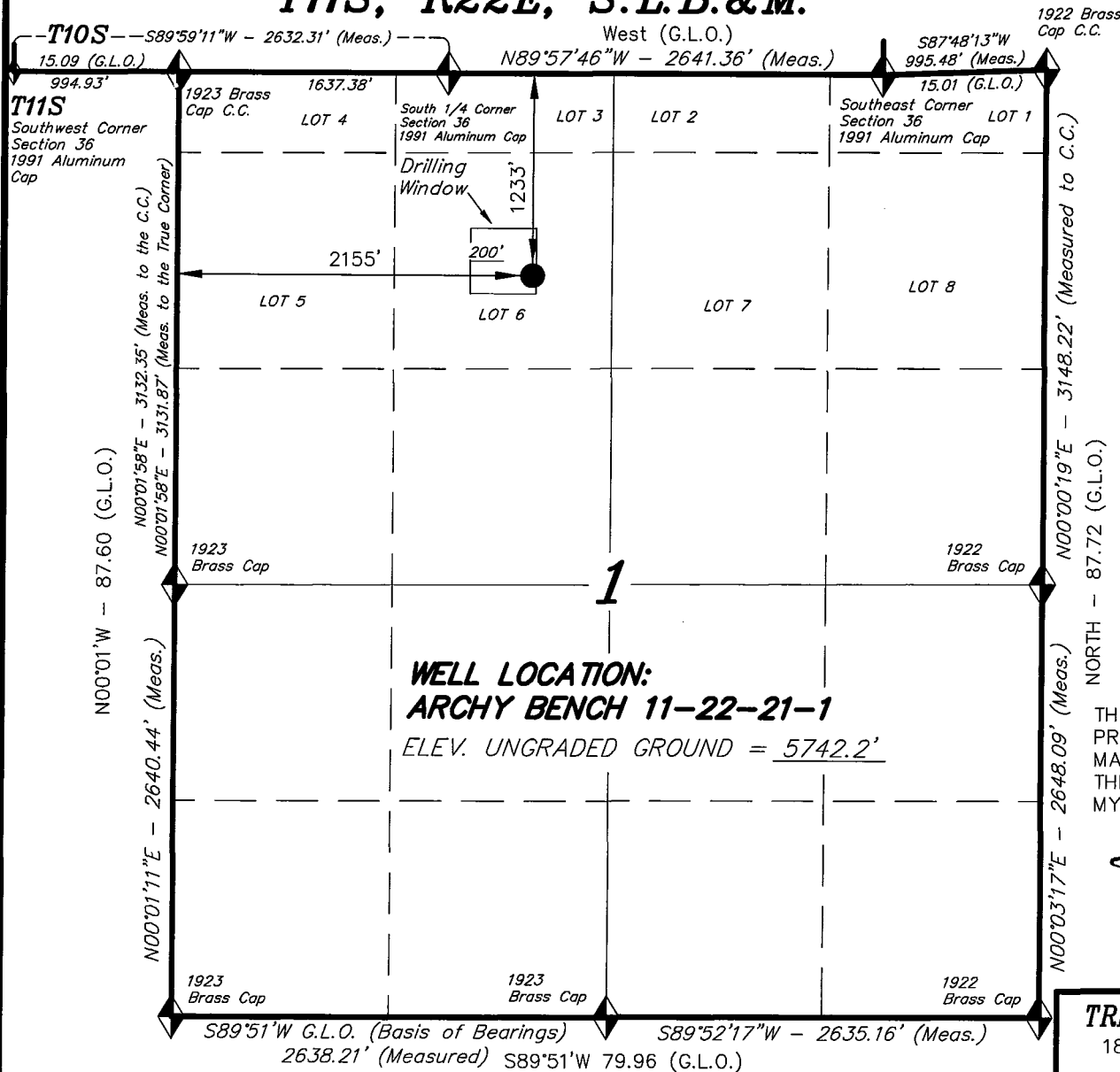
(11/2001)

*Federal Approval of this
Action Is Necessary*

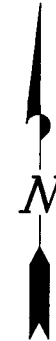
Approved by the
Utah Division of
Oil, Gas and Mining
 APPROVAL:
RECEIVED
DEC 12 2005
 Date: 12-15-05
 By:
 DIV. OF OIL, GAS & MINING

T11S, R22E, S.L.B.&M.

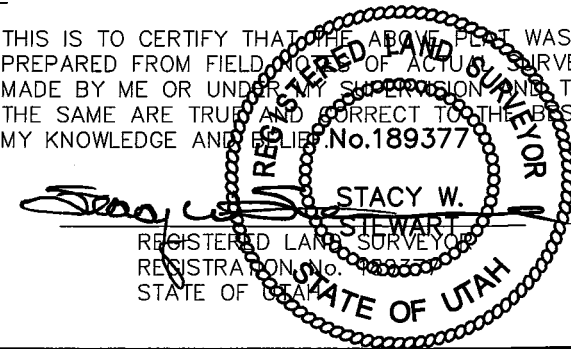
ENDURING RESOURCES



WELL LOCATION, ARCHY BENCH
 11-22-21-1, LOCATED AS SHOWN IN
 LOT 6 OF SECTION 1, T11S, R22E,
 S.L.B.&M. UINTAH COUNTY, UTAH.



THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS
 PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS
 MADE BY ME OR UNDER MY SUPERVISION AND THAT
 THE SAME ARE TRUE AND CORRECT TO THE BEST OF
 MY KNOWLEDGE AND BELIEF. No. 189377



◆ = SECTION CORNERS LOCATED
 BASIS OF ELEV; U.S.G.S. 7-1/2 min
 QUAD (ARCHY BENCH)

ARCHY BENCH 11-22-21-1
(Surface Location) NAD 83
 LATITUDE = 39° 53' 41.23"
 LONGITUDE = 109° 24' 18.82"

TRI STATE LAND SURVEYING & CONSULTING
 180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
 (435) 781-2501

DATE DRAWN: 6-1-05	SURVEYED BY: J.H.	SHEET 2 OF 9
REVISED:	DRAWN BY: F.T.M.	
NOTES:	SCALE: 1" = 1000'	

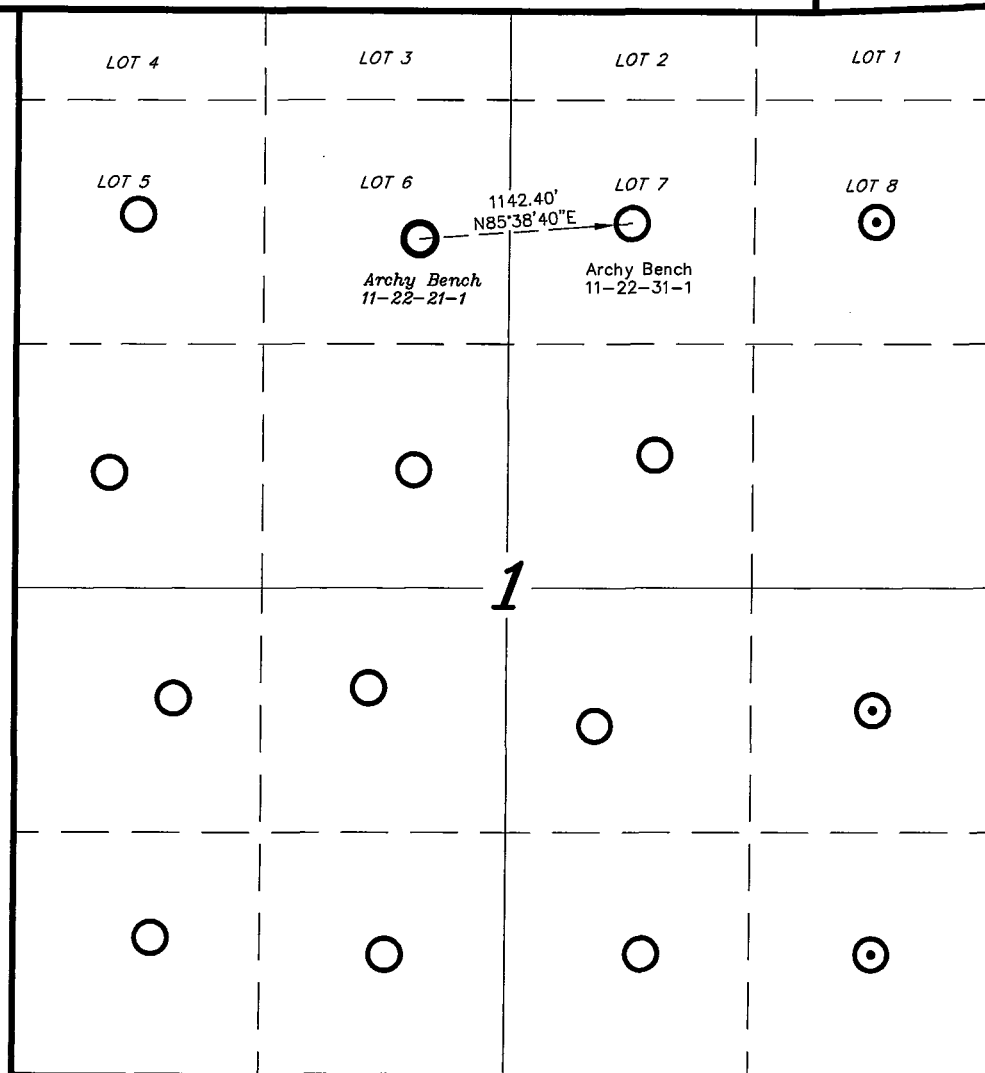
T11S, R22E, S.L.B.&M.

ENDURING RESOURCES

T10S

T11S

SECTION DRILLING MAP
ARCHY BENCH 11-22-21-1



LEGEND

- = Vertical Well
- ⊙ = Directional Well Bottom Hole

TRI STATE LAND SURVEYING & CONSULTING

180 NORTH VERNAL AVE. - VERNAL, UTAH 84078
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DATE DRAWN: 6-1-05	SURVEYED BY: J.H.	SHEET 1 OF 9
REVISED:	DRAWN BY: F.T.M.	
NOTES:	SCALE: 1" = 1000'	

SELF-CERTIFICATION STATEMENT

The following self-certification statement is provided per federal requirements dated June 15, 1988.

Please be advised that Enduring Resources, LLC is considered to be the operator of the following well.

Archy Bench #11-22-21-1
NENW 1233' FNL 2155' FWL
Section 1 T11S-R22E S.L.B. & M.
Lease Serial No.: UTU-73903
Uintah County, Utah

Enduring Resources, LLC is responsible under the terms and conditions of the lease for the operations conducted upon leased lands. Bond coverage is provided by UTB000173.



December 8, 2005

Alvin R. Arlian
Regulatory Specialist
Enduring Resources, LLC
475 17th Street, Suite 1500
Denver, CO 80202
(303) 350-5114

Enduring Resources, LLC
Archy Bench #11-22-21-1
NENW Sec. 1 T11S-R22E
Uintah County, Utah
Lease # UTU-073903

ONSHORE ORDER 1 - DRILLING PLAN

1. **Estimated Tops of Geological Markers:**

Formation	Depth (K.B.)
Uinta	Surface
Green River	883'
Wasatch	3698'
Mesaverde	6089'

2. **Estimated Depths of Anticipated Water, Oil, Gas or Other Minerals:**

Substance	Formation	Depth (K.B.)
	KB-Uinta Elevation: 5720'	
Oil / Gas	Green River	883'
Oil /Gas	Wasatch	3698'
Oil /Gas	Mesaverde	6089'
	Estimated TD	8142'

A 11" hole will be drilled to approximately 2000 feet. The depth will be determined by the depth that the Birds Nest zone is encountered. The hole will be drilled 400 feet beyond the top of the Birds Nest zone and surface casing will be set.

3. **Pressure Control Equipment: (3000 psi schematic attached)**

- A. Type: Eleven (11) inch double gate hydraulic BOP with eleven (11) inch annular preventer on 3,000 psi casinghead, with 3,000 psi choke manifold equipped per the attached diagram. BOPE as specified in *Onshore Oil & Gas Order Number 2*. A PVT, stroke counter and flow sensor will be installed to check for flow and monitor pit volume.
- B. Pressure Rating: 3,000 psi BOPE
- C. Kelly will be equipped with upper and lower Kelly valves.
- D. Testing Procedure: Annular Preventer

At a minimum, the annular preventer will be pressure tested to 50% of the stack rated working pressure for a period of ten (10) minutes or until provisions of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the annular preventer is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the annular preventer will be functionally operated at least weekly.

Blow-Out Preventer

At a minimum, the BOP, choke manifold, and related equipment will be pressure tested to the approved working pressure of the BOP stack (if isolated from the surface casing by a test plug) or to 70% of the internal yield strength of the surface casing (if the BOP is not isolated from the casing by a test plug). Pressure will be maintained for a period of at least ten (10) minutes or until the requirements of the test are met, whichever is longer.

At a minimum, the above pressure test will be performed:

1. When the BOP is initially installed;
2. Whenever any seal subject to test pressure is broken;
3. Following related repairs; and
4. At thirty (30) day intervals.

In addition to the above, the pipe and blind rams will be activated each trip, but not more than once each day. All BOP drills and tests will be recorded in the IADC driller's log.

E. Miscellaneous Information:

The blowout preventer and related pressure control equipment will be installed, tested and maintained in compliance with the specifications in and requirements of *Onshore Oil & Gas Order Number 2*.

4. Proposed Casing & Cementing Program:

A. Casing Program: All New

Hole Size	Casing Size	Wt./Ft.	Grade	Joint	Depth Set (MD)
20"	14" O.D.				40' (GL)
11"	8-5/8"	24#	J-55	ST&C	0 – 2,016' (KB) est.
7-7/8"	4-1/2"	11.6#	N-80	LT&C	0 – 8,142' (KB)

The surface casing will have guide shoe, 1 joint, insert float collar. Centralize the shoe joint with bowspring centralizers in the middle and top of the joint and the next 16 joints with bowspring centralizers on every other collar (8 centralizers total). Thread lock guide shoe.

Casing string(s) will be pressure tested to 0.22 psi/foot of casing string length or 1500 psi, whichever is greater (not to exceed 70% of the internal yield strength of the casing), after cementing and prior to drilling out from under the casing shoe.

B. Casing Design Parameters:

Depth (MD)	Casing	Collapse(psi)/SF	Burst (psi)/SF	Tension(mlbs)/SF
40' (GL)	14" OD			
2016' (KB)	8-5/8", 24#/ft, J55, STC	1370/1.52(a)	2950/3.28(b)	244/5.81(c)
8142' (KB)	4-1/2", 11.6#/ft, N-80, LTC	6350/1.50 (d)	7780/2.00 (e)	223/2.75 (f)

- (a.) based on full evacuation of pipe with 8.6 ppg fluid on annulus
- (b.) based on 8.6 ppg gradient with no fluid on annulus
- (c.) based on casing string weight in 8.6 ppg mud
- (d.) based on full evacuation of pipe with 10.0 ppg fluid on annulus
- (e.) based on 9.2 ppg gradient, gas to surface, with no fluid on annulus, no gas gradient
- (f.) based on casing string weight in 9.2 ppg mud

PROPOSED CEMENTING PROGRAM

Surface Casing (if well will circulate)-Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
8-5/8"	Lead	1516	Premium cement + 16% gel + 0.25 pps celloflake	138	25%	11.1	3.50
8-5/8"	Tail	500	Premium cement + 2% CaCl ₂ + 0.25 pps celloflake	138	25%	15.8	1.15

A cement top job is required if cement fallback is greater than 10' below ground level. Top job (weight 15.8 ppg, yield 1.15 ft³/sx) cement will be premium cement w/ 3% CaCl₂+0.25 pps celloflake. Volume as required

Surface Casing (if well will not circulate) - Cemented to surface

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
8-5/8"	Lead	500	Premium cement + 2% CaCl ₂ + 0.25 pps celloflake	138	25	15.8	1.15
8-5/8"	Top job	As req.	Premium cement + 3% CaCl ₂ + 0.25 pps celloflake	As Req.		15.8	1.15

Production Casing and Liner - Cemented TD to 300' above base of surface casing

CASING	SLURRY	FT. of FILL	CEMENT TYPE	SXS	EXCESS (%)	WEIGHT (ppg)	YIELD (ft ³ /sx)
4-1/2"	Lead	1582	Class "G" + 5% NaCl + 12% Gel + 0.25 pps celloflake + 0.2% antifoam + 0.25% fluid loss + 1% extender	139	25	11.0	3.3
4-1/2"	Tail	4844	50/50 POZ Class G + 2% gel + 1% CaCl ₂ + 0.2% dispersant + 0.2% fluid loss + 0.1% antifoam	884	25	14.3	1.56

Cement volumes for the 4-1/2" Production Casing will be calculated to provide a top of cement to 300' above base of surface casing. Cement volumes are approximate and were calculated under the assumption that a gauge hole will be achieved. Actual cement volumes may vary due to variations in the actual hole size and will be determined by running a caliper log on the drilled hole. Actual cement types may vary due to hole conditions and cement contractor used.

All waiting on cement (WOC) times will be adequate to achieve a minimum of 500 psi compressive strength at the casing shoe prior to drilling out.

5. **Drilling Fluids (mud) Program:**

Interval (MD)	Mud Weight	Fluid Loss	Viscosity	Mud Type
0' – 2016' (KB)		No cntrl		Air/mist
2000'-3000' (KB)	8.4-8.6	No cntrl	28-36	Water
3000'-8142' (KB)	8.8-9.8	8 - 10 ml	32-42	Water/Gel

Sufficient mud material(s) to maintain mud properties, control lost circulation and contain a blowout will be available at the well site during drilling operations.

6. **Evaluation Program:**

Tests: No tests are currently planned.

Coring: No cores are currently planned.

Samples: No sampling is currently planned.

Logging

- Dual Induction – SFL /Gamma Ray/Caliper/SP/TDLT/CNL/ML
TD to Base Surface Casing
- Cement Bond Log / Gamma Ray:
TD to Base of Surface Casing or Top of Cement if below Base of Surface Casing

Stimulation: A stimulation or frac treatment will be designed for completion of this well based on openhole log analysis. The drill site, as approved, will be sufficient size to accommodate all completion activities.

7. **Abnormal Conditions:**

No abnormal temperatures or pressures are anticipated. No H₂S has been encountered or known to exist from previous wells drilled to similar depths in the general area.

Maximum anticipated bottom hole pressure equals approximately 4,234 psi (calculated at 0.52psi/foot of hole) and maximum anticipated surface pressure equals approximately 2,443 psi (anticipated bottom hole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot of hole).

8. **Anticipated Starting Dates:**

- Anticipated Commencement Date- Within one year of APD issue.
- Drilling Days- Approximately 10 days
- Completion Days - Approximately 10 days
- Anticipate location construction within 30 days of permit issue.

9. **Variances:**

None anticipated

10. **Other:**

A Cultural Resource Inventory and Paleontology reconnaissance shall be conducted for the well location, access route and pipeline. The reports shall be submitted to the Division of Oil, Gas and Mining and the School and Institutional Trust lands Administration upon their receipt.

Single Shot directional surveys will be dropped every 2000 feet to monitor hole angle.

**Enduring Resources, LLC
Archy Bench #11-22-21-1
NENW Sec. 1 - T11S-R22E
Uintah County, Utah
Lease # UTU-073903**

Directions to the Archy Bench 11-22-21-1 Well Pad

Beginning at the city of Bonanza, Utah: Leave the city of Bonanza heading southerly on state highway 45 for a distance of approximately 4.9 miles and turn left on to Road 4170 (Southam Canyon Road). Continue southwest on Road 4170 approximately 8.5 miles to Road 4160 (Asphalt Wash Road) and turn left. Continue south on Road 4160 approximately 9.5 miles until it intersects with Road 4120 (Bitter Creek Road). Turn right and go 1.9 miles on Road 4120 to Road 4230 (Saddletree Draw Road) and turn right. Go 4.8 miles on Road 4230 and turn left on to Road 4150 (Archy Bench Road). Go approximately 8 miles on Road 4150 to the turn-off point for the new access. Go left, 600 feet to the proposed well pad.

**Enduring Resources, LLC
Archy Bench #11-22-21-1
NENW Sec. 1 - T11S-R22E
Uintah County, Utah
Lease # UTU-073903**

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Directions to the Archy Bench 11-22-21-1 Well Pad

Beginning at the city of Bonanza, Utah: Leave the city of Bonanza heading southerly on state highway 45 for a distance of approximately 4.9 miles and turn left on to Road 4170 (Southam Canyon Road). Continue southwest on Road 4170 approximately 8.5 miles to Road 4160 (Asphalt Wash Road) and turn left. Continue south on Road 4160 approximately 9.5 miles until it intersects with Road 4120 (Bitter Creek Road). Turn right and go 1.9 miles on Road 4120 to Road 4230 (Saddletree Draw Road) and turn right. Go 4.8 miles on Road 4230 and turn left on to Road 4150 (Archy Bench Road). Go approximately 8 miles on Road 4150 to the turn-off point for the new access. Go left, 600 feet to the proposed well pad.

Total distance from Bonanza, Utah to the proposed well location is approximately 37.7 miles in a southwesterly direction.

2. Planned Access Roads:

The proposed access road will be approximately 600 feet of new construction (ON-LEASE). The balance of the ON-LEASE road is the Arch Bench Road and will not have to be improved. No new road will have to be built OFF-LEASE. Please refer to Topo Map "B" for the takeoff point for the new ON-LEASE road construction.

The proposed access road will be utilized to transport personnel, equipment and supplies to and from the proposed well site during drilling, completion and production operations. The road will be utilized year round.

The access road will be crowned 2% to 3%, ditched and constructed with a running surface of 18 feet and a maximum disturbed width of 30 feet right-of-way. Maximum grade of road is 5% or less. Graveling or capping the roadbed will be performed as necessary to provide a well constructed, safe road. No fence crossings, culverts, turnouts, cattle guards or major cuts and fills are required. Prior to construction or upgrading, the proposed road shall be cleared of any snow and allowed to dry completely.

Surface disturbance and vehicular traffic will be limited to the proposed location and proposed access route. Any additional area needed will be approved in advance. All construction shall be in conformance with the standards outlined in the BLM and Forest Service publication: Surface Operating Standards for Oil and Gas Exploration and Development. 1989.

The road surface and shoulders will be kept in a safe usable condition and will be maintained in accordance with the original construction standards. All drainage ditches will be kept clear and free flowing and will be maintained according to original construction standards. The access road surface will be kept free of trash during operations. All traffic will be confined to the approved disturbed surface. Road drainage crossings shall be designed so they will not cause siltation or accumulation of debris in the drainage crossing nor shall the drainages be blocked by the road bed. Erosion of drainage ditches by runoff water shall be prevented by diverting water off at frequent intervals by means of cutouts. Upgrading shall not be allowed during muddy conditions. Should mud holes develop, they shall be filled in and detours around them avoided. When snow is removed from the road during the winter months, the snow shall be pushed outside of the borrow ditches and the turnouts kept clear so that snowmelt will be channeled away from the road.

3. Location of Existing Wells within a One-Mile radius (See "Topo" Map "C" attached):

The following wells are wells located within a one (1) mile or greater radius of the proposed location.

- a. None: Water Wells: (1) one BLM stock water dam
(WRNUM: 49-336)
- b. None: Injection Wells:
- c. None: Producing Wells:
 - i. Archy Bench State 1-2, NENE of Sec 2-11S-22E (S/I)
API#: 43-047-31489
 - ii. NBU 70-34B, NESW of Sec 34-10S-22E (S/I)
API#: 43-047-30577
 - iii. Archy Bench 1-7, SWNE of Sec 1-10S-22E
API#: 43-047-35931
- d. None: Drilling Wells:
- e. None: Shut-in Wells:
- f. None: Temporarily Abandoned Wells:
- g. None: Disposal Wells:
- h. None: Abandoned Wells:
- i. None: Dry Holes:
- j. None: Observation Wells:
- k. One: Pending (staked) Wells:
 - i. Archy Bench 11-22-13-1
 - ii. Archy Bench 11-22-31-1
 - iii. Archy Bench 11-22-22-1

- iv. Archy Bench 11-22-12-1
- v. Archy Bench 11-22-14-1
- vi. Archy Bench 11-22-24-1
- vii. Archy Bench 11-22-34-1
- viii. Archy Bench 11-22-33-1
- ix. Archy Bench 11-22-23-1
- x. Archy Bench 11-22-11-1

4. Location of Existing and/or Proposed Facilities:

All production facilities will be located on the disturbed portion of the well pad and at a minimum of 25 feet from the toe of the back slope or the top of the fill slope.

A dike will be constructed completely around those production facilities which contain fluids (i.e. production tanks, produced water tanks and/or heater treater). These dikes will be constructed of compacted subsoil, be impervious, hold 100% of the capacity of the largest tank and be independent of the back cut.

All permanent (on site for six months or longer) above the ground structures constructed or installed, including pumping units, will be painted a flat, non-reflective, earth tone color to match one of the standard environmental colors, as determined by the rocky Mountain Five State Inter-Agency Committee

All facilities will be painted within 6 months of installation. The color shall be Desert Tan. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded.

Any necessary pits will be properly fenced to protect livestock and prevent wildlife entry.

Gas Gathering Pipeline:	ON-LEASE	600'	BLM
	OFF-LEASE	-0'	no OFF-LEASE pipeline

If the well is capable of economic production, a surface gas gathering line and related equipment shall be installed. The surface gas gathering line shall be in use year round. A total of approximately 600 feet of surface gas gathering pipeline shall be laid on the surface to minimize surface disturbance:

- a. ON-LEASE approximately 600 feet, and
- b. OFF-LEASE (none)

of 6 inch or less diameter steel, unpainted, welded gas gathering line is proposed.

The proposed pipeline will begin at the well site; and be laid on the surface next to the new access road directly to an existing pipeline next to this road. The meter run will be housed. The gas gathering line will be buried or anchored down from the wellhead to the meter.

Upon plugging and abandonment, the gas gathering line will be removed and the disturbed area will be re-contoured and restored as near as practical to the original condition. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

5. Location and Type of Water Supply:

Water will be obtained from the White River by Tu and Frum, Inc. Water User Claim #49-2185, Application #T75517, or by Target Trucking Water User Claim #43-2195, or by Dalbo Inc. Water User Claim #43-8496

Water will be hauled to the location over the roads marked on "Topo" Maps "A" and "B."

No water well is to be drilled on this lease.

6 Source of Construction Materials:

Surface and subsoil materials in the immediate area will be utilized for location and access road construction.

Any gravel will be obtained from a commercial source; however, gravel sized rock debris associated with location and access road construction may be used as access road surfacing material.

7. Methods of Handling Waste Materials:

Drill cuttings will be contained and buried in the reserve pit.

Drilling fluids, including salts and chemicals, will be contained in the reserve pit will be removed and disposed of at an approved waste disposal facility within 120 days after drilling is terminated.

The reserve pit will be constructed on the location and will not be located within natural drainage, where a flood hazard exists or surface runoff will destroy or damage the pit walls. The reserve pit will be constructed so that it will not leak, break or allow discharge of liquids.

The reserve pit will be lined with ¼ felt and a minimum of 16 mm plastic with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the will be disposed of in the pit.

A chemical portable toilet will be furnished with the drilling rig. The toilet will be replaced periodically utilizing a licensed contractor to transport by truck the portable chemical toilet so that its contents can be delivered to the Vernal Wastewater Treatment Facility in accordance with state and county regulations.

Garbage, trash and other waste materials will be collected in a portable, self-contained, fully enclosed trash cage during operations. No trash will be burned on location.

All debris and other waste material not contained in the trash cage will be cleaned up and removed from the location immediately after removal of the drilling rig.

Any open pits will be fenced during the operations. The fencing will be maintained until such time as the pits are backfilled.

No chemicals subject to reporting under SARA Title III (hazardous materials) in an amount greater than 10,000 pounds will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported or disposed of in association with the drilling, completion or testing of this well.

Produced oil will be stored in an oil tank and then hauled by truck to a crude purchaser facility. Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to an approved disposal site.

8. Ancillary Facilities:

During drilling operations, approximately 20 days, the site will be a manned camp. Three or four additional trailers will be on location to serve as the crews' housing and eating facilities. These will be located on the perimeter of the pad site within the topsoil stockpiles. Refer to Sheet 4.

9. Well Site Layout: (Refer to Sheets #2, #3, and #4)

The attached Location Layout Diagrams described drill pad cross-sections, cuts and fills and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s) and surface material stockpiles(s).

Please see the attached diagram for rig orientation and access roads.

The top soil will be windrowed rather than piled. It will be reseeded and track walker at the time the location is constructed. Seeding will be with the determined during the onsite. (Refer to "Seed Mixture for Windrowed Top Soil Will included:" following herein.

The top soil removed from the pit area will be store separately and will not be reseeded until the pit is reclaimed.

All pits shall be fence to the following minimum standards:

- a. 39 inch net wire shall be used with at least one strand of barbed wire on top of the net wire. Barbed wire is not necessary if pipe or some type of reinforcement rod is attached to the top of the entire fence.

- b. The net wire shall be no more than 2 inches above the ground. The barbed wire shall be 3 inches over the new wire. Total height of the fence shall be at least 42 inches.
- c. Corner posts shall be cemented and/or braced in such a manner to keep the fence tight at all times.
- d. Standard steel, wood or pipe posts shall be used between the corner braces. Maximum distance between any two fence posts shall be no greater than 16 feet.
- e. All wire shall be stretched by, using a stretching device, before it is attached to corner posts.
- f. The reserve pit fencing will be on three sides during drilling operations and on the fourth side when the rig moves off location. Pits will be fenced and maintained until cleanup.
- g. Location size may change prior to drilling the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling, the location will be re-surveyed and a Form 9 will be submitted.

10. Plans for Surface Reclamation:

Producing Location:

- a. Immediately upon well completion, the location and surrounding area will be cleared of all unused tubing, equipment, materials, trash and debris not required for production.
- b. Immediately upon well completion, any hydrocarbons in the pit shall be removed in accordance with 40CFR 3162.7.
- c. Before any dirt work associated with location restoration takes place, the reserve pit shall be as dry as possible. All debris in it will be removed. Other waste and spoil materials will be disposed of immediately upon completion of operations.
- d. The reserve pit and that portion of the location not needed for production facilities/operations will be re-contoured to the approximated natural contours. The reserve pit will be reclaimed within 90 days from the date of well completion, weather permitting.
- e. To prevent surface water(s) from standing (ponding) on the reclaimed reserve pit area, final reclamation of the reserve pit will consist of "mounding" the surface 3 feet above surrounding round surface to allow the reclaimed pit area to drain effectively.
- f. Upon completion of back filling, leveling and re-contouring, the stockpiled topsoil will be spread evenly over the reclaimed area(s).

Dry Hole/Abandoned Location:

- i. Abandoned well sites, roads and other disturbed areas will be restored as nearly as practical to their original condition. Where applicable, these conditions include the re-establishment of irrigation systems, the re-establishment of appropriate soil conditions and re-establishment of vegetation as specified.
- ii. All disturbed surfaces will be re-contoured to the approximated natural contours with reclamation of the well pad and access road to be performed as soon as practical after final abandonment. If necessary, re-seeding operations will be performed after completion of other reclamation operations.

Seed Mixture for Windrowed Top Soil Will Included:

To be provided by the BLM.

11. Surface Ownership: Location, Access and Pipeline Route:

Wellsite: Bureau of Land Management

Access: Bureau of Land Management

Pipeline: Bureau of Land management

12. Other Information**On-site Inspection for Location, Access and Pipeline Route:**

The on-site was conducted September 21, 2005.

Special Conditions of Approval:

All production equipment shall be painted Desert Tan.

Archeology:

- a. A Cultural Resource Inventory Report is pending and to be prepared by Montgomery Archaeological Consultants.

Paleontology:

- a. A Paleontology Reconnaissance Report is pending and to be prepared by Intermountain Paleo-Consulting.

If, during operations, any archaeological or historical sites, or any objects of antiquity (subject to the Antiquities Act of June 8, 1906) are discovered, all operations which would affect such sites will be suspended and the discovery reported promptly to the surface management agency.

13, Lessee's or Operator's Representatives:

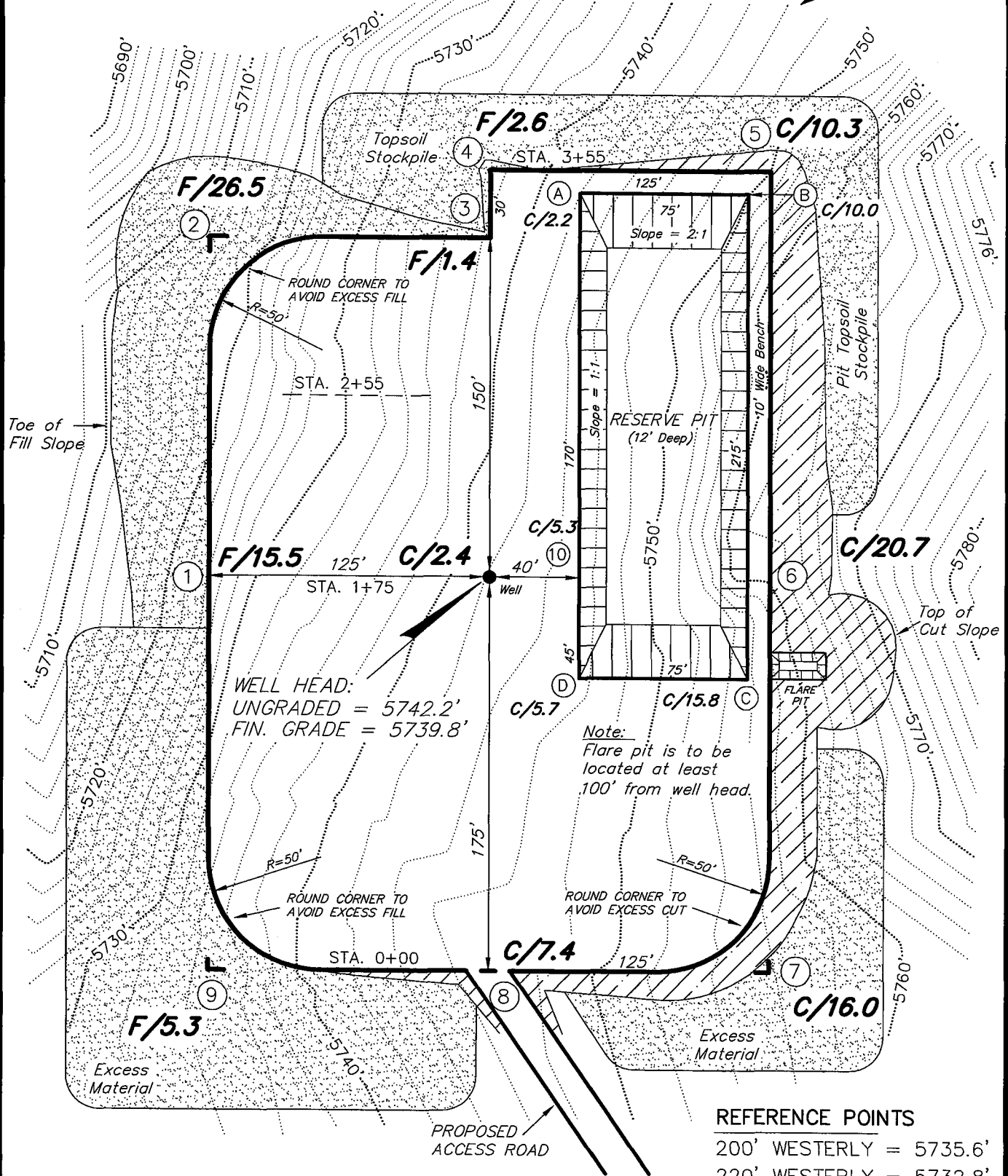
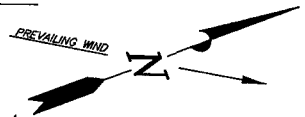
Representatives:

Alvin R. (Al) Arlian
Landman – Regulatory Specialist
Enduring Resources, LLC
475 17th Street, Suite 1500
Denver, Colorado 80202
Office Tel: 303-350-5114
Fax Tel: 303-573-0461
aarlian@enduringresources.com

Frank Hutto
Vice President – Operations
Enduring Resources, LLC
475 17th Street, Suite 1500
Denver, Colorado 80202
Office Tel: 303-573-5102
Fax Tel: 303-573-0461
fhutto@enduringresources.com

ENDURING RESOURCES

ARCHY BENCH 11-22-21-1
Section 1, T11S, R22E, S.L.B.&M.



REFERENCE POINTS

200' WESTERLY = 5735.6'
220' WESTERLY = 5732.8'

SURVEYED BY: J.H. DATE DRAWN: 6-10-05
DRAWN BY: F.T.M. SCALE: 1" = 60'
NOTES:

Tri State
Land Surveying, Inc.

(435) 781-2501

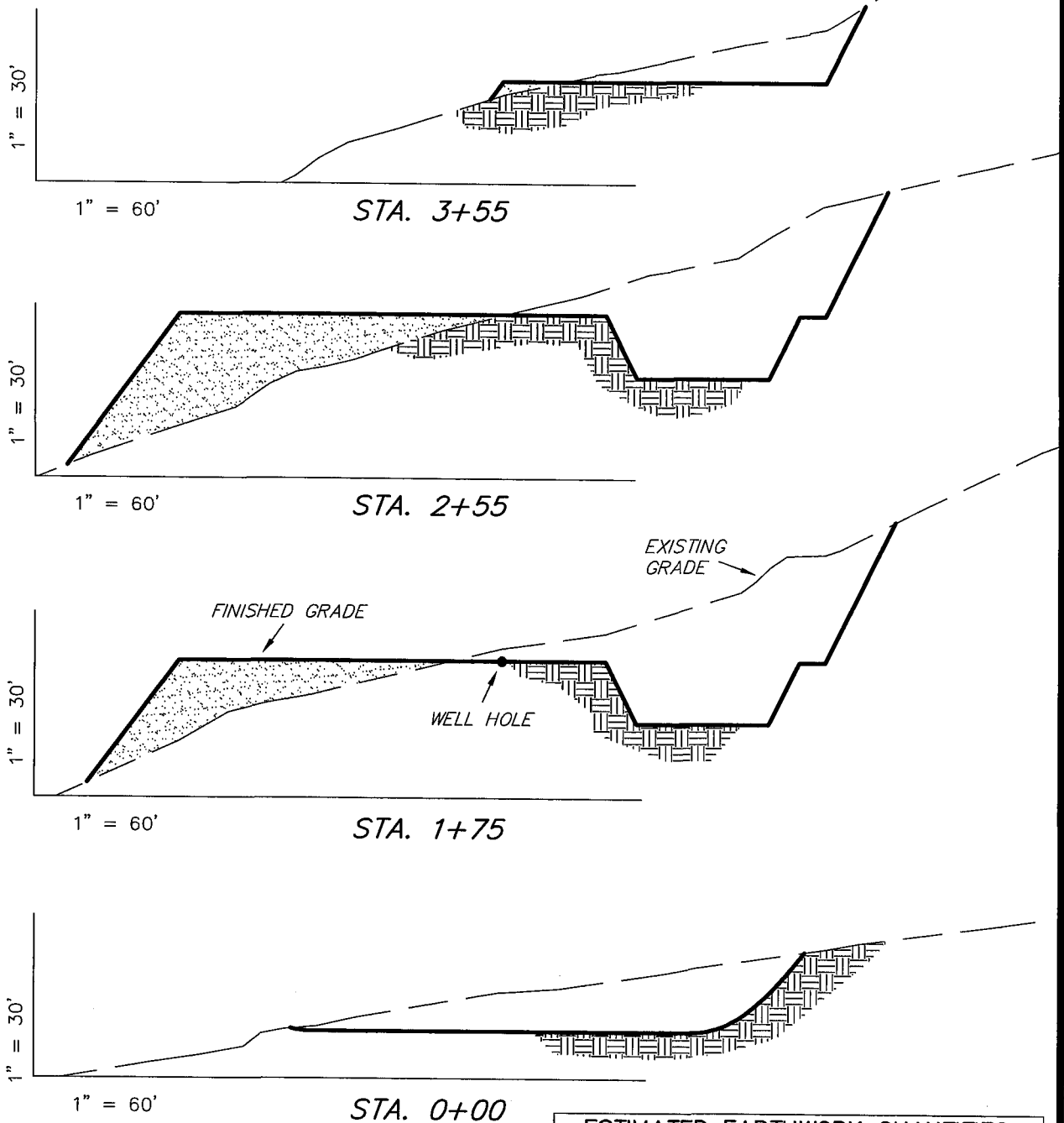
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

SHEET
3
OF 9

ENDURING RESOURCES

CROSS SECTIONS

ARCHY BENCH 11-22-21-1



NOTE:
UNLESS OTHERWISE NOTED
CUT SLOPES ARE AT 1:1
FILL SLOPES ARE AT 1.5:1

ESTIMATED EARTHWORK QUANTITIES (No Shrink or swell adjustments have been used) (Expressed in Cubic Yards)				
ITEM	CUT	FILL	6" TOPSOIL	EXCESS
PAD	18,670	12,400	Topsoil is not included in Pad Cut	6,270
PIT	5,390	0		5,390
TOTALS	24,060	12,400	2,020	11,660

SURVEYED BY: J.H. DATE DRAWN: 6-10-05

DRAWN BY: F.T.M. SCALE: 1" = 60'

NOTES:

Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078

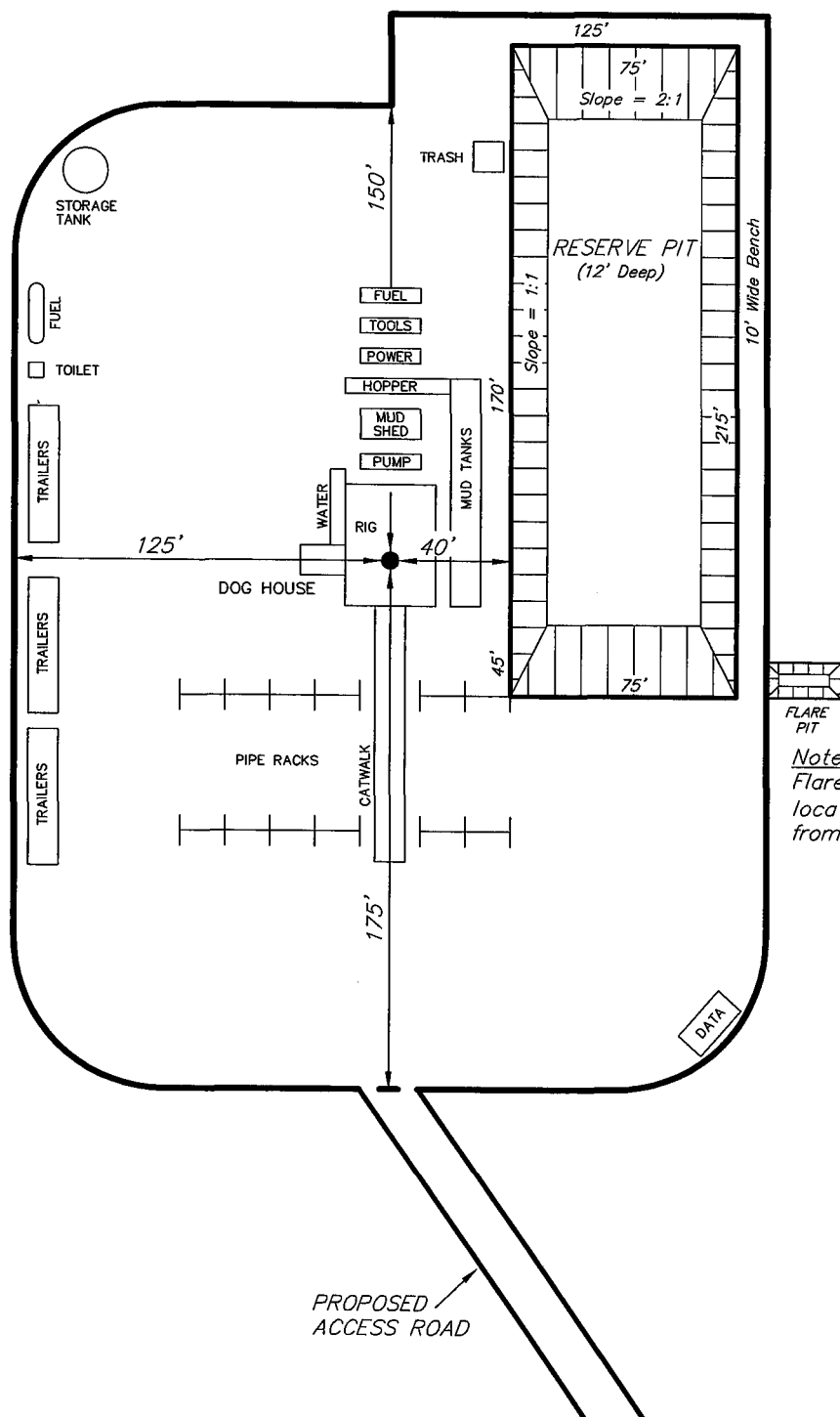
(435) 781-2501

SHEET
4
OF 9

ENDURING RESOURCES

TYPICAL RIG LAYOUT

ARCHY BENCH 11-22-21-1



Note:
Flare pit is to be located at least 100' from well head.

SURVEYED BY: J.H. DATE DRAWN: 6-10-05

DRAWN BY: F.T.M. SCALE: 1" = 60'

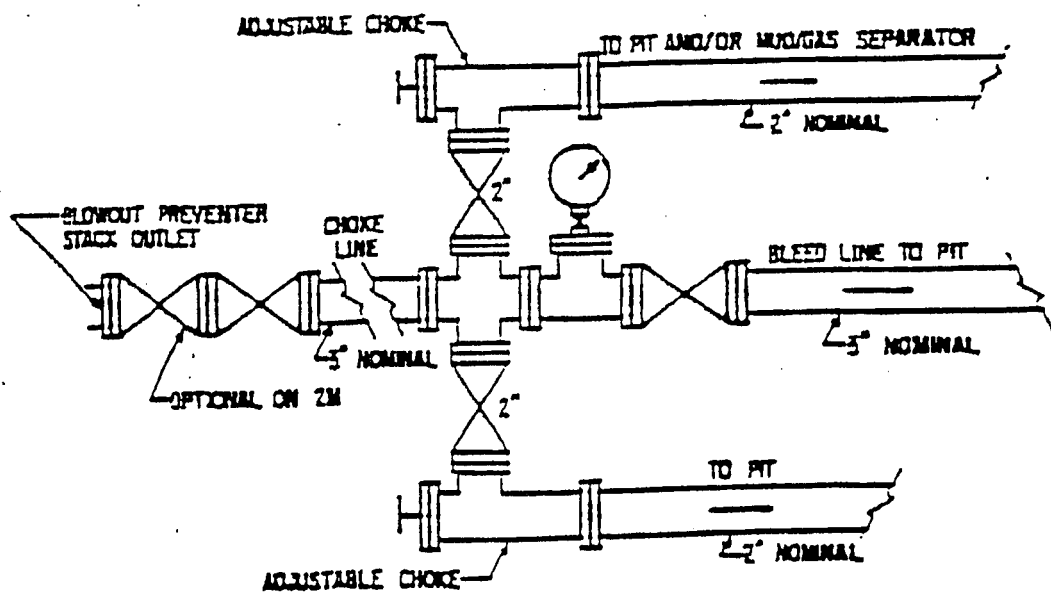
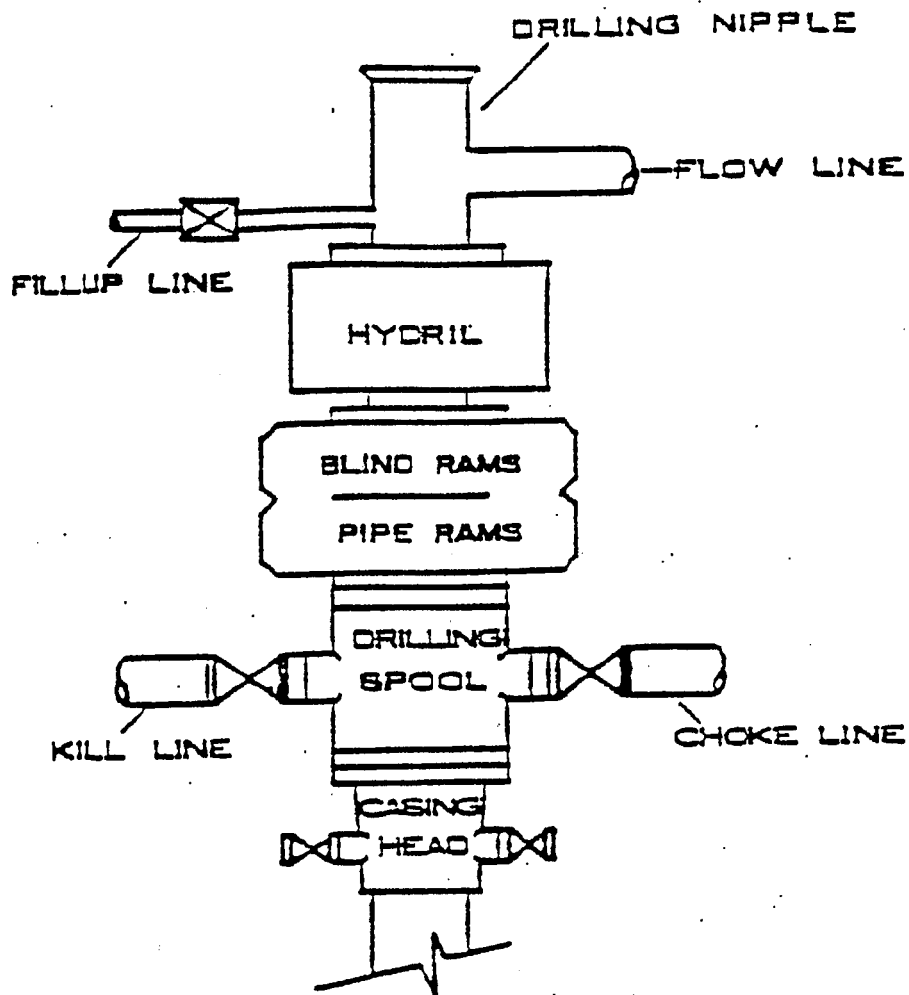
NOTES:

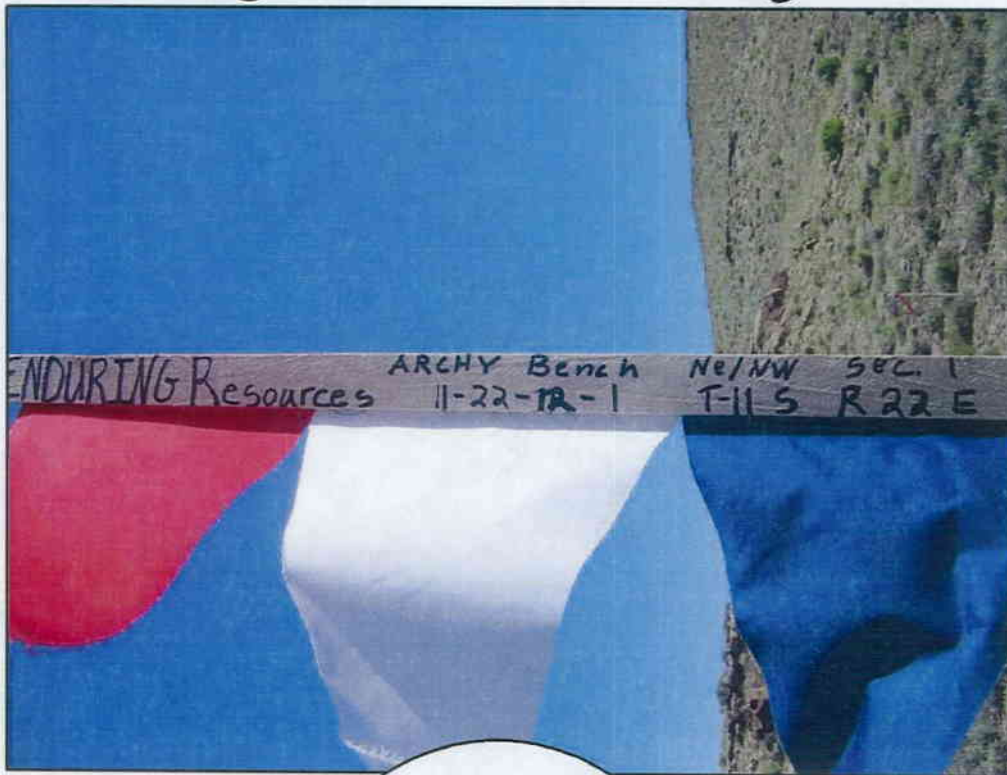
Tri State
Land Surveying, Inc.
180 NORTH VERNAL AVE. VERNAL, UTAH 84078
(435) 781-2501

SHEET
5
OF 9

3,000 PSI

BOP STACK





CENTER STAKE


ENDURING RESOURCES

A.B. 11-22-21-1

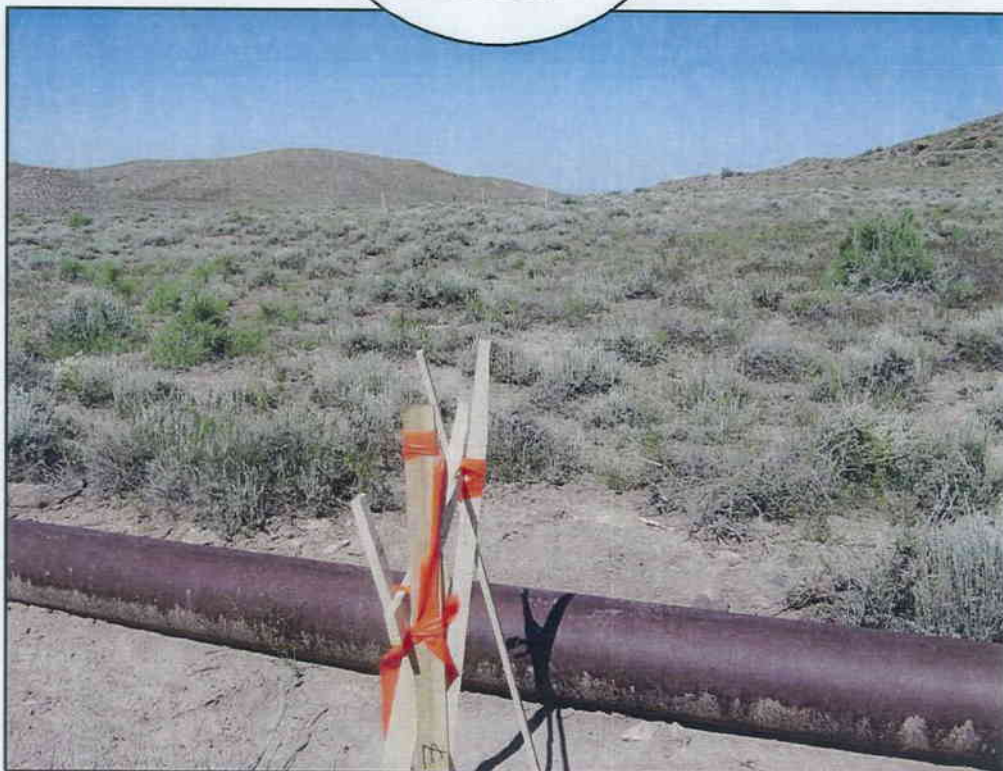
Date Photographed: 05/27/2005

Date Drawn: 07/13/2005

Drawn By: bgm

LOOKING NORTH
ACCESS


*Tri-State
Land Surveying Inc.*
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078





NORTH


ENDURING RESOURCES

A.B. 11-22-21-1

Date Photographed: 05/27/2005

Date Drawn: 07/13/2005

Drawn By: bgm


Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

EAST





SOUTH


ENDURING RESOURCES
A.B. 11-22-21-1

Date Photographed: 05/27/2005

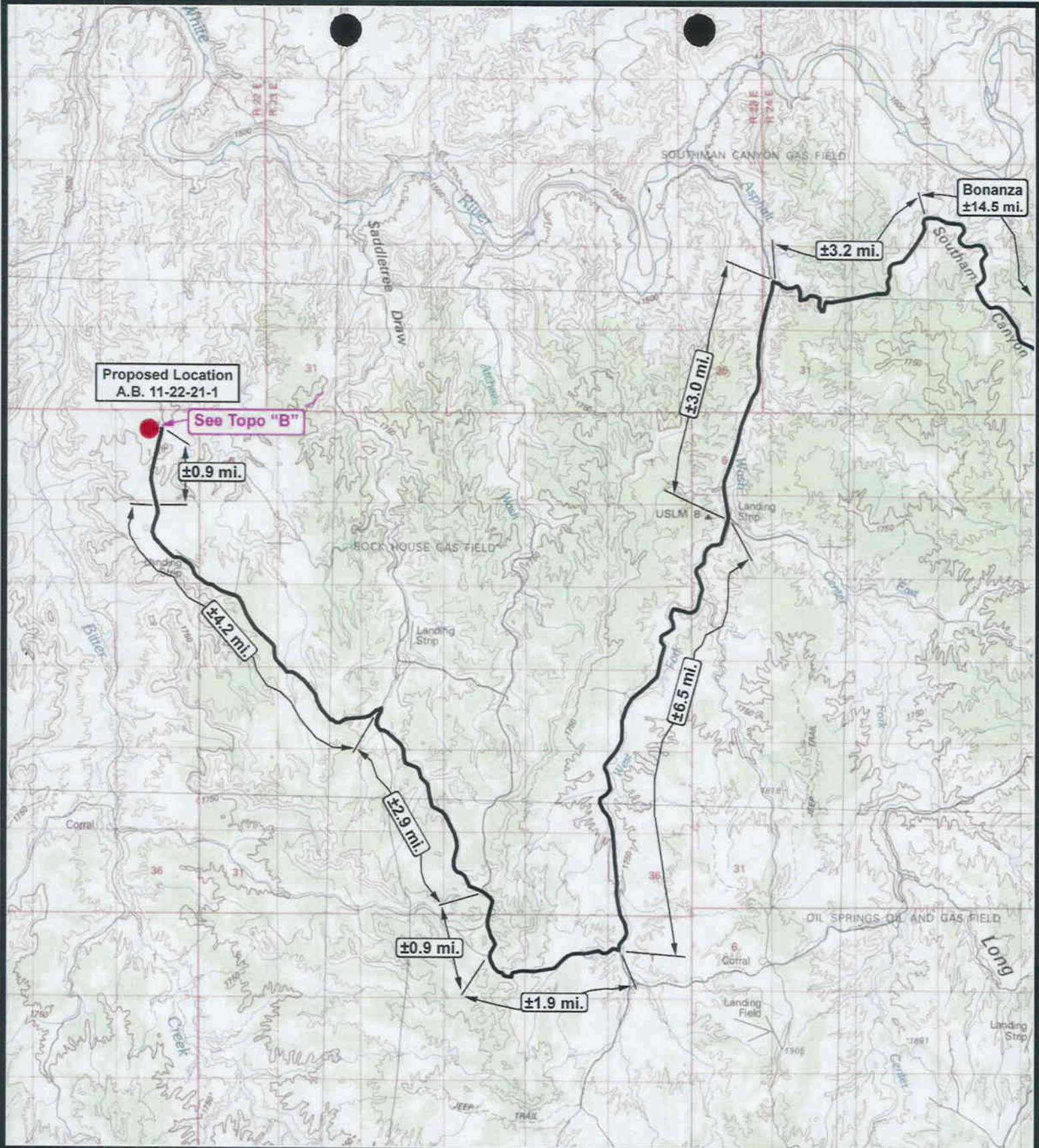
Date Drawn: 07/13/2005

Drawn By: bgm


Tri-State
Land Surveying Inc.
(435) 781-2501
180 North Vernal Ave. Vernal, Utah 84078

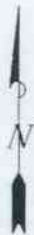
WEST





ENDURING RESOURCES

Archy Bench 11-22-21-1
Sec. 1, T11S, R22E, S.L.B.&M.



Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 100,000'
DRAWN BY: bgm
DATE: 07-12-2005

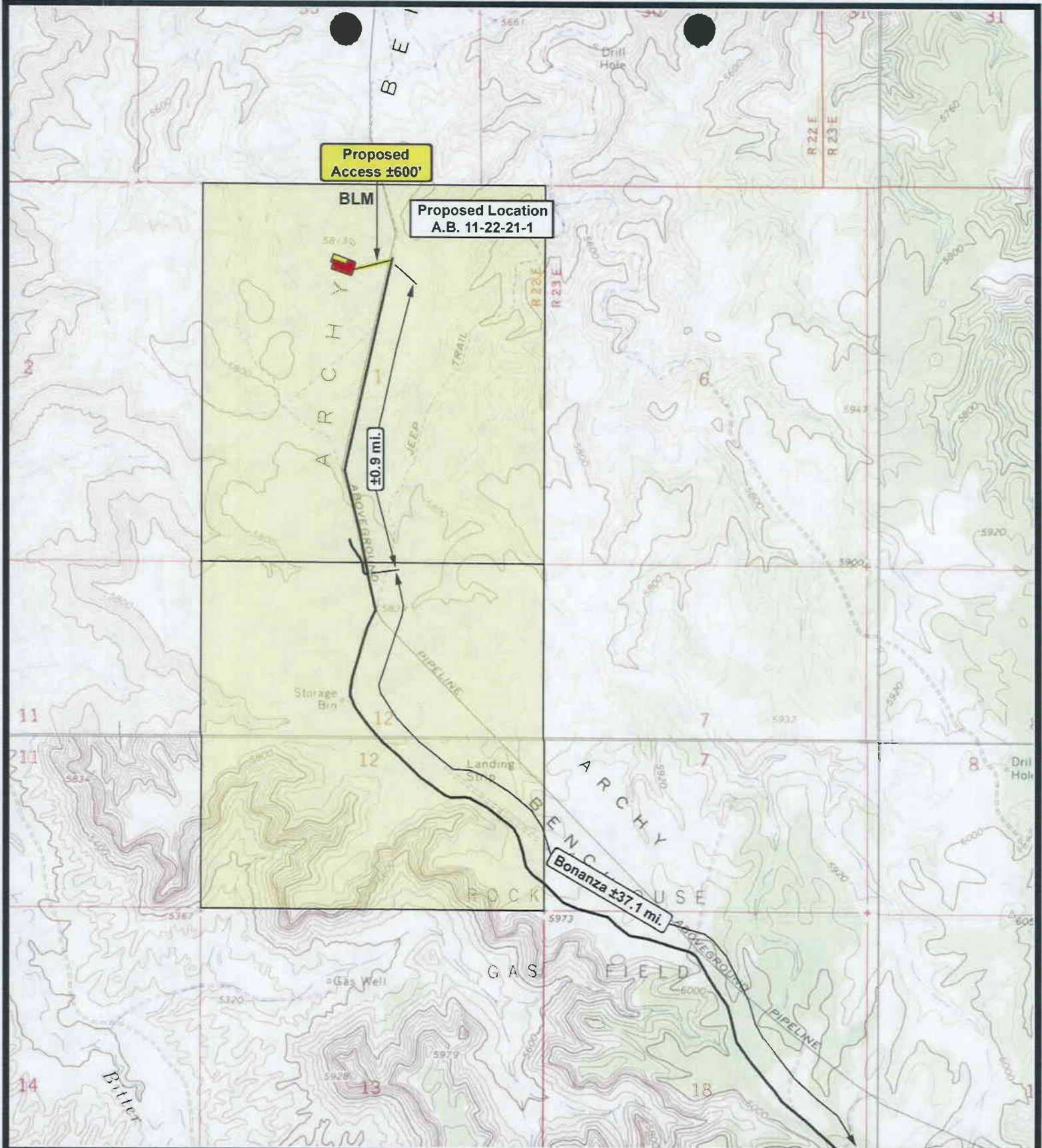
Legend

- Existing Road
- Proposed Access

TOPOGRAPHIC MAP

"A"

SHEET
6
OF 9



ENDURING RESOURCES

Archy Bench 11-22-21-1
Sec. 1, T11S, R22E, S.L.B.&M.



Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: bgm

DATE: 07-15-2005

Legend

- Existing Road
- Proposed Access

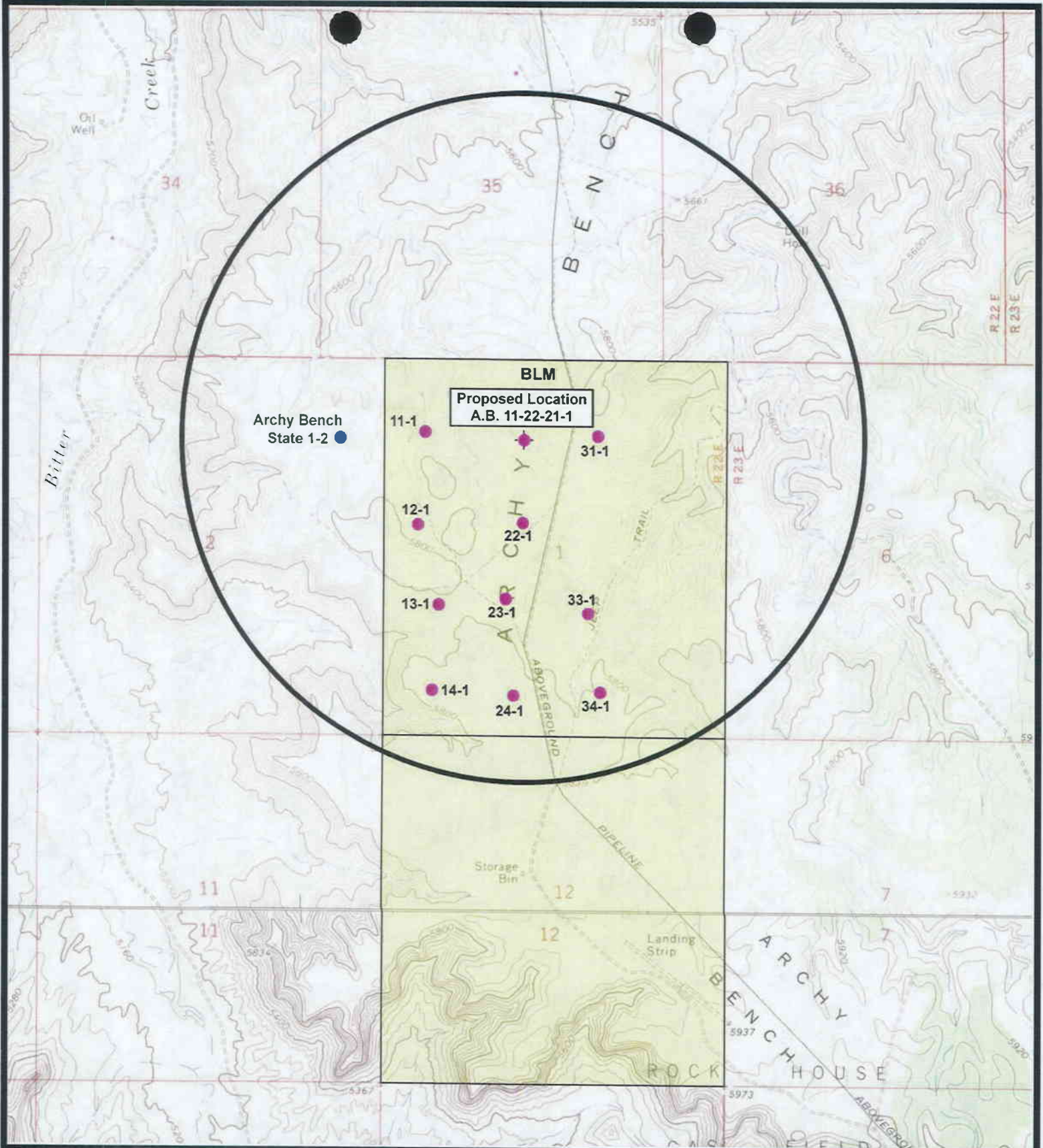
TOPOGRAPHIC MAP

"B"

SHEET

7

OF 9



ENDURING RESOURCES

Archy Bench 11-22-21-1
Sec. 1, T11S, R22E, S.L.B.&M.



Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: bgm

DATE: 07-14-2005

Legend

- Proposed Location
- Existing Location
- One-Mile Radius

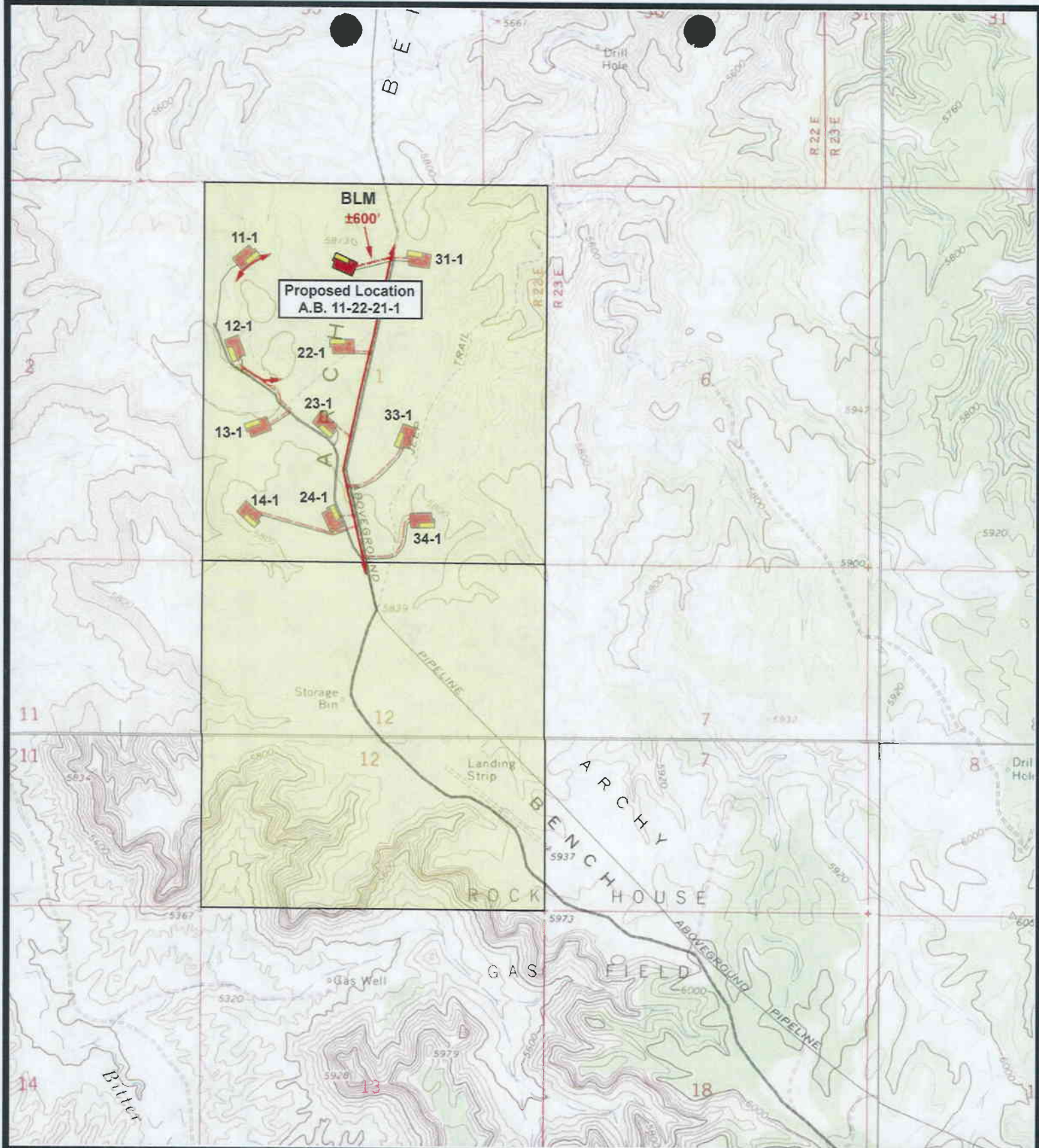
TOPOGRAPHIC MAP

"C"

SHEET

8

OF 9



ENDURING RESOURCES

Archy Bench 11-22-21-1
Sec. 1, T11S, R22E, S.L.B.&M.



Tri-State
Land Surveying Inc.
 (435) 781-2501
 180 North Vernal Ave. Vernal, Utah 84078

SCALE: 1" = 2,000'

DRAWN BY: bgm

DATE: 07-15-2005

- Legend**
- Roads
 - Existing Gas Line
 - Proposed Gas Line

TOPOGRAPHIC MAP

"D"

SHEET

9

OF 9

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 12/12/2005

API NO. ASSIGNED: 43-047-37489

WELL NAME: ARCHY BENCH 11-22-21-1

OPERATOR: ENDURING RESOURCES, LLC (N2750)

CONTACT: AL ARLIAN

PHONE NUMBER: 303-350-5114

PROPOSED LOCATION:

NENW 01 110S 220E

SURFACE: 1233 FNL 2155 FWL

BOTTOM: 1233 FNL 2155 FWL

UINTAH

UNDESIGNATED (2)

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-73903

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MVRD

COALBED METHANE WELL? NO

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LATITUDE: 39.89479

LONGITUDE: -109.4045

RECEIVED AND/OR REVIEWED:

☒ Plat
☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. RLB0008031)
☒ Potash (Y/N)
☒ Oil Shale 190-5 (B) or 190-3 or 190-13
☒ Water Permit
(No. 43-8496)
☒ RDCC Review (Y/N)
(Date: _____)
☒ Fee Surf Agreement (Y/N)
☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

 R649-2-3.

Unit _____

 R649-3-2. General

Siting: 460' From Qtr/Qtr & 920' Between Wells

 R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 210-04

Eff Date: 4-12-2004

Siting: 460' fr. ext drill bdy & 920' fr other wells.

 R649-3-11. Directional Drill

COMMENTS: _____

STIPULATIONS: 1-Federal Approval

NATURAL BUTTES UNIT NATURAL BUTTES FIELD

T10S R22E

T11S R22E

T11S R23E

BITTER CREEK
H-22-20

ARCHY BENCH
STATE F-2

BITTER CREEK
H-22-21

ARCHY BENCH
H-22-10-1

ARCHY BENCH
H-22-20-1

ARCHY BENCH
H-22-30-1

ARCHY BENCH
H-22-12-1

ARCHY BENCH
H-22-22-1

ARCHY BENCH
H-22-14-7

ARCHY BENCH
H-22-13-1

ARCHY BENCH
H-22-14-1

ARCHY BENCH
H-22-24-1

ARCHY BENCH
H-22-2

ROCK HOUSE
H-22-13-36

ROCK HOUSE
H-22-14-36

SHARPLES-
TEXACO ST 1

ROCK HOUSE
H-36

BITTER CREEK FIELD

ROCK HOUSE FIELD MARBLE MANSION II UNIT

OPERATOR: ENDURING RES LLC (N2750)

SEC: 1 T. 11S R. 22E

FIELD: UNDESIGNATED (002)

COUNTY: UTAH

CAUSE: 210-04 / 4-12-2004

Field Status

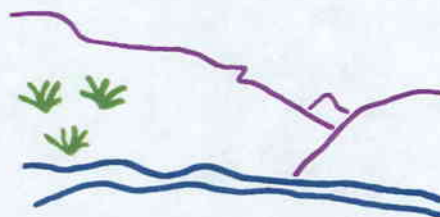
- ABANDONED
- ACTIVE
- COMBINED
- INACTIVE
- PROPOSED
- STORAGE
- TERMINATED

Unit Status

- EXPLORATORY
- GAS STORAGE
- NF PP OIL
- NF SECONDARY
- PENDING
- PI OIL
- PP GAS
- PP GEOTHERML
- PP OIL
- SECONDARY
- TERMINATED

Wells Status

- GAS INJECTION
- GAS STORAGE
- LOCATION ABANDONED
- NEW LOCATION
- PLUGGED & ABANDONED
- PRODUCING GAS
- PRODUCING OIL
- SHUT-IN GAS
- SHUT-IN OIL
- TEMP. ABANDONED
- TEST WELL
- WATER INJECTION
- WATER SUPPLY
- WATER DISPOSAL
- DRILLING



Utah Oil Gas and Mining



PREPARED BY: DIANA WHITNEY
DATE: 14-DECEMBER-2005



State of Utah

**Department of
Natural Resources**

MICHAEL R. STYLER
Executive Director

**Division of
Oil, Gas & Mining**

JOHN R. BAZA
Division Director

JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

December 15, 2005

Enduring Resources, LLC
475 17th St., Ste. 1500
Denver, CO 80202

Re: Archy Bench 11-22-21-1 Well, 1233' FNL, 2155' FWL, NE NW, Sec. 1,
T. 11 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-37489.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal District Office

Operator: Enduring Resources, LLC
Well Name & Number Archy Bench 11-22-21-1
API Number: 43-047-37489
Lease: UTU-73903

Location: NE NW **Sec.** 1 **T.** 11 South **R.** 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dan Jarvis at (801) 538-5338

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

DEC 12 2005

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

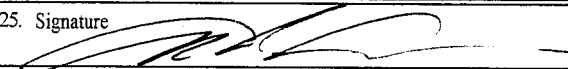
FORM APPROVED
OMB No. 1004-0137
Expires March 31, 2007

1a. Type of work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. UTU-73903
1b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input checked="" type="checkbox"/> Single Zone <input type="checkbox"/> Multiple Zone		6. If Indian, Allottee or Tribe Name N/A
2. Name of Operator Enduring Resources, LLC		7. If Unit or CA Agreement, Name and No. N/A
3a. Address 475 17th Street, Suite 1500 Denver, CO 80202	3b. Phone No. (include area code) 303-350-5114	8. Lease Name and Well No. Archy Bench 11-22-21-1
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NENW 2155' FWL - 1235' FNL At proposed prod. zone Same as surface		9. API Well No. 43-047-37489
14. Distance in miles and direction from nearest town or post office* 37.7 miles Southwesterly from Bonanza, Utah		10. Field and Pool, or Exploratory undesignated
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1235' 12S	16. No. of acres in lease 1341.28	11. Sec., T. R. M. or Blk. and Survey or Area Sec 1 T11S R22E S.L.B.&M.
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 1269.21'	19. Proposed Depth 8142'	12. County or Parish Uintah
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5720" RT-KB	22. Approximate date work will start* 02/16/2005	13. State UT
17. Spacing Unit dedicated to this well 40 acres		
20. BLM/BIA Bond No. on file BLM - UTB000173		
23. Estimated duration 20 days		

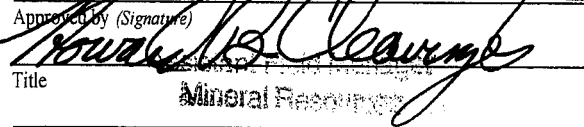
24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No.1, shall be attached to this form:

- Well plat certified by a registered surveyor.
- A Drilling Plan.
- A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office).
- Bond to cover the operations unless covered by an existing bond on file (see Item 20 above).
- Operator certification
- Such other site specific information and/or plans as may be required by the authorized officer.

25. Signature 	Name (Printed/Typed) Alvin R. (Al) Arlian	Date 12/08/2005
--	---	---------------------------

Title
Landman - Regulatory Specialist

Approved by (Signature) 	Name (Printed/Typed) Howard B. Leavins	Date 05/16/2006
Title Mineral Recurrence	Office	

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.
Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on page 2)

CONDITIONS OF APPROVAL ATTACHED

RECEIVED

MAY 24 2006

DIV. OF OIL, GAS & MINING

NOTICE OF APPROVAL



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East VERNAL, UT 84078 (435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Enduring Resources LLC **Location:** Lot 6, Sec 1, T11S, R22E
Well No: Archy Bench 11-22-21-1 **Lease No:** UTU-73903
API No: 43-047-37489 **Agreement:** N/A

Petroleum Engineer:	Matt Baker	Office: 435-781-4490	Cell: 435-828-4470
Petroleum Engineer:	Michael Lee	Office: 435-781-4432	Cell: 435-828-7875
Petroleum Engineer:	Roger Hall	Office: 435-781-4470	
Supervisory Petroleum Technician:	Jamie Sparger	Office: 435-781-4502	Cell: 435-828-3913
Environmental Scientist:	Paul Buhler	Office: 435-781-4475	Cell: 435-828-4029
Environmental Scientist:	Karl Wright	Office: 435-781-4484	
Natural Resource Specialist:	Holly Villa	Office: 435-781-4404	
Natural Resource Specialist:	Melissa Hawk	Office: 435-781-4476	
Natural Resource Specialist:	Nathaniel West	Office: 435-781-4447	
Natural Resource Specialist:	Chris Carusona	Office: 435-781-4441	
After hours contact number: (435) 781-4513		FAX: (435) 781-4410	

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a one-year period. An additional year extension may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

- | | |
|---|--|
| Location Construction
(Notify Melissa Hawk) | - Forty-Eight (48) hours prior to construction of location and access roads. |
| Location Completion
(Notify Melissa Hawk) | - Prior to moving on the drilling rig. |
| Spud Notice
(Notify Petroleum Engineer) | - Twenty-Four (24) hours prior to spudding the well. |
| Casing String & Cementing
(Notify Jamie Sparger SPT) | - Twenty-Four (24) hours prior to running casing and cementing all casing strings. |
| BOP & Related Equipment Tests
(Notify Jamie Sparger SPT) | - Twenty-Four (24) hours prior to initiating pressure tests. |
| First Production Notice
(Notify Petroleum Engineer) | - Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days. |

**SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)**

DRILLING AND CONSTRUCTION

- Enduring Resources, LLC will comply with all applicable local, state, and/or federal laws, regulations, and/or statutes.
- In accordance with the Migratory Bird Treaty Act if a nest is found the operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer.
- Construction related traffic shall be restricted to approved routes. Cross-country vehicle travel shall not be allowed.
- If additional erosion occurs during the life of this project, more culverts, low water crossings, berms, wing ditches or etc. may be needed to control the erosion. The operator shall submit a proposal to control erosion to the BLM.
- The reserve pit shall be double lined with felt and a 12 ml or greater liner or single lined with 16ml or greater.
- No vehicle travel, construction or routine maintenance activities shall be performed during periods when the soil is too wet to adequately support vehicles and/or construction equipment. If such equipment creates ruts in excess of four inches deep, the soil shall be deemed too wet to adequately support construction equipment.
- The liner is to be cut at the level of the cuttings or treated to prevent the reemergence of the pit liner and pit material to the surface or its interference with long-term successful re-vegetation. Any excess liner material removed from the pit is to be disposed of at an authorized disposal site.
- When the reserve pit contains fluids or toxic substances, the operator must ensure that animals do not ingest or become entrapped in pit fluids.
- Drill cuttings and mud shall remain in the reserve pit until DRY. The reserve pit must be free of oil and other liquid and solid wastes, allowed to dry, be pumped dry, or solidified in-situ prior to filling. The reserve pit shall not be "squeezed," (filled with soil while still containing fluids) or "cut" (puncturing the pit liner while still containing fluids to allow pit fluids to drain from the pit).
- Prevent fill and stock piles from entering drainages.
- The access road shall be crowned and ditched. Flat-bladed roads are NOT allowed.
- Notify the Authorized Officer 48 hours prior to surface disturbing activities.
- All well facilities not regulated by OSHA shall be painted Olive Black.

- Following well plugging and abandonment, the location, access roads, pipelines, and other facilities shall be reclaimed. All disturbed surfaces shall be reshaped to approximate the original contour; the top soil respread over the surface; and, the surface revegetated. The surface of approved staging areas where construction activities did not occur may require disking or ripping and reseeded.
- Noxious weeds and any undesirable plants, as determined by the BLM, shall be controlled by the operator. The operator shall submit a pesticide use proposal to control weeds if they develop on the location, access road, or pipeline corridor.
- Trees must be removed from the location must be piled separately off location and saved for final reclamation purposes.
- Interim Reclamation (see below):
- Where possible, strip six inches of topsoil from the location as shown on the cut sheet. After the well is completed, the topsoil shall be spread and re-contoured on the location and immediately seeded with the seed mix below.
- Interim Reclamation Seed Mix for location:

○ Hycrest Crested Wheat grass	<i>Agropyron cristatum</i>	4lbs. /acre
○ Needle and Thread grass	<i>Stipa comata</i>	4lbs. /acre
○ Indian Rice grass	<i>Pleuraphis hymenoides</i>	4lbs. /acre
- Certified weed free seed and straw shall be used for final and interim reclamation. The operator shall submit a receipt with certification for the seed and any straw used on location.
- The topsoil from the reserve pit should be stripped and piled separately near the reserve pit. When the reserve pit is closed it should be re-contoured, then the area should be seeded in the same manner as the topsoil.
- There shall be no primary or secondary noxious weeds in the seed mixture.
- Once the location is plugged and abandoned contact the Authorized Officer for final reclamation plans.
- The above listed seed mix shall be used to seed all unused portions of the pad including the topsoil and stock piles, and the reserve pits. Re-seeding may be required if the first seeding is not successful.
- The seed shall be drilled or disked into the ground or hand broadcast onto the ground. Planting depth shall not exceed one-half inch using a seed drill. If the seed is hand broadcast then the seed mixture shall be doubled and the area raked or chained to cover the seed.

- Water Use for drilling/construction purposes:
 - Implement Reasonable and Prudent Measure (1):
 - If the pump head is located in the river channel, do not situate the pump in a low-flow or no-flow area as these habitats tend to concentrate fish.
- Screen all pump intakes with 1/4" mesh material.
- Report any fish impinged on the intake screen to the Service (801.975.3330) or the Utah Division of Wildlife Resources:

Northeastern Region
152 East 100 North, Vernal UT 84078
Phone: (435) 781-9453

CULTURAL AND PALEONTOLOGICAL RESOURCES STIPULATION:

- Any cultural and/or paleontological resource (historic or prehistoric site or object or fossil) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer.
- Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery shall be made by the authorized officer to determine appropriate actions to prevent the loss of significant cultural or scientific values.
- The holder shall be responsible for the cost of evaluation and a decision as to proper mitigation measures shall be made by the authorized officer after consulting with the holder.

COMPLETION and PRODUCTION:

- Blow back fluids from completion operations shall be contained such that hydrocarbons are not introduced into the reserve pit.
- Reserve pits shall maintain a minimum of 2 feet of freeboard.
- During all road building, pad construction, drilling, well completion, producing and abandonment activities, all gasoline, diesel powered equipment used must be equipped with approved spark arresters or mufflers.
- Production facilities (including dikes) shall be placed on cut and a minimum of 20' from the toe of the backcut.
- Pesticides may not be used to control undesirable woody and herbaceous vegetation, aquatic plants, insects, rodents, trash fish, etc., without the prior written approval of the BLM. A request for approval of planned uses of pesticides shall be submitted 4 months prior to the proposed starting date.
- No production pits shall be allowed on the location.
- Load outs shall be inside the dike. A drip barrel shall be installed under the end of the loadout line.

- All production facilities, i.e. pump, pump house, storage tanks, oil-water separator, galvanized dikes, propane tanks, etc. shall be painted with a lusterless color (Carlsbad Canyon). All facilities shall be painted within six (6) months of installation.
- The well location shall be maintained in a clean environmentally friendly manner, using good house keeping practices.
- Equipment not being used for production shall not be stored on the well location.
- All oil and chemical barrels shall be labeled and have a spill containment device to protect soils from possible contamination.

ABANDONED WELL

- A sundry notice shall be submitted to the BLM prior to abandonment, a final reclamation seed mix shall be designated at the time the sundry is approved. The seed mix in the APD is not to be used for final reclamation.
- The seed shall be drilled or hand broadcast and harrowed into the ground during September of the year following earthwork for initial or final reclamation. Planting depth shall not exceed one-half inch using a seed drill. Weed seed free mulch shall also be applied to the planting area sufficiently to uniformly cover 80% of the seeded area. Hydroseeding and mulching can also be used, but seeding rates will need to be doubled.
- The cut and fill slopes shall be recontoured to original contours. The entire disturbed area shall then be back-filled with topsoil, landscaped, seeded and fenced to exclude livestock. The fence shall remain in place. It shall be removed prior to approval of final abandonment.

DOWNHOLE CONDITIONS OF APPROVAL

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- A surface casing shoe integrity test shall be performed.

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well. Any changes in operation must have prior approval from the BLM, Vernal Field Office Petroleum Engineers.
- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- **Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.**
- Blowout prevention equipment (BOPE) will remain in use until the well is completed or abandoned. Closing unit controls must remain unobstructed and readily accessible at all times. Choke manifolds must be located outside of the rig substructure.
- All BOPE components will be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests must be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test must be reported in the driller's log.
- BOP drills must be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- All shows of fresh water and minerals will be reported and protected. A sample will be taken of any water flows and a water analysis furnished the BLM, Vernal Field Office. All oil and gas shows will be adequately tested for commercial possibilities, reported, and protected.

- No location will be constructed or moved, no well will be plugged, and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the BLM, Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM, Vernal Field Office must be obtained and notification given before resumption of operations.
- Chronologic drilling progress reports must be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- Any change in the program must be approved by the BLM, Vernal Field Office. "Sundry Notices and Reports on Wells" (Form BLM 3160-5) must be filed for all changes of plans and other operations in accordance with 43 CFR 3162.3-2.
- Emergency approval may be obtained orally, but such approval does not waive the written report requirement. Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, will require the filing of a suitable plan pursuant to Onshore Oil & Gas Order No. 1 of 43 CFR 3164.1 and prior approval by the BLM, Vernal Field Office.
- In accordance with 43 CFR 3162.4-3, this well must be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) will be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the BLM, Vernal Field Office.
- All measurement points shall be identified as point of sales or allocation for royalty determination prior to the installation of facilities.
- Oil and gas meters will be calibrated in place prior to any deliveries. The Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be

submitted to the BLM, Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement.

- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM, Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- This APD is approved subject to the requirement that, should the well be successfully completed for production, the BLM, Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and / or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas will be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from Field Office Petroleum Engineers.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events as defined in NTL3A, will be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.

- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

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DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

Name of Company: ENDURING RESOURCES LLC

Well Name: ARCHY BENCH 11-22-21-1

Api No: 43-047-37489 Lease Type: FEDERAL

Section 01 Township 11S Range 22E County UINTAH

Drilling Contractor PETE MARTIN'S RIG # BUCKET

SPUDDED:

Date 07/04/06

Time 10:00 AM

How DRY

Drilling will Commence: _____

Reported by DOUG HAMMOND

Telephone # (435) 790-6996

Date 07/05/2006 Signed CHD

RECEIVED

JUL 05 2006

FORM 6

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

DIV. OF OIL, GAS & MINING

ENTITY ACTION FORM

Operator: Enduring Resources, LLCOperator Account Number: N 2750Address: 475 17th Street, Suite 1500city Denverstate COzip 80202Phone Number: (303) 350-5114

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304737489	Archy Bench 11-22-21-1	NENW	1	11S	22E	Uintah
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
A	99999	15472	7/3/2006	7/6/06		
Comments: <u>MURD</u>						
CONFIDENTIAL						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
Comments:						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
Comments:						

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

Evette Bissett

Name (Please Print)

Evette Bissett

Signature

Regulatory Assistant

7/5/2006

Title

Date

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
Enduring Resources, LLC

3. ADDRESS OF OPERATOR:
375 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202

PHONE NUMBER:
(303) 350-5114

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1223' FNL - 2155' FWL S.L.B. & M.

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 1 11S 22E S

STATE:

UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 7/10/2006	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Conductor - Surface Casing Report
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

7-3-2006 MI Pete Martin Rathole Service. Drill 40' of 20" hole and set 40' of 14" conductor w/ 3 yards of Ready Mix Cement. Waiting to drill and set surface pipe.

7-8-2006 DRILL 12 1/4" SURFACE HOLE TO 2040'. NO WATER. POOH LAYING DOWN DRILL PIPE. RIH W/CEMENT SHOE, 1 JNT CSG, FLOAT COLLAR, 8 CENTRALIZERS AND 49 JNTS 8-5/8' 32# J55 CSG TO 2013'. RU BIG 4 CEMENTER AND CEMENT W/ ...

(LEAD) 0, 230 SXS CEMENT, 16% GEL, 1/4#/ SX FLOCELE, CLASS G, SLURRY WT, 3.82 CU/FT YIELD 11.1.
(TAIL) 0, 250 SXS CEMENT, 2% CACL2, 1/4#/SX FLOCELE, CLASS G SLURRY WT, 1.18 CU/FT YIELD, 15.8.
STAGE 1. 0, 160, 4% CACL2, CLASS G, 1.18, 15.8.
STAGE 2. 0, 40, 2% CACL2, CLASS G, 1.18, 15.8.

CEMENT TO SURFACE, HELD

WORT.

NAME (PLEASE PRINT) Alvin R. (Al) Arlian

TITLE Landman - Regulatory Specialist

SIGNATURE

DATE 7/10/2006

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JUL 13 2006

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-73903
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		7. UNIT or CA AGREEMENT NAME: N/A
2. NAME OF OPERATOR: Enduring Resources, LLC		8. WELL NAME and NUMBER: Archy Bench 11-22-21-1
3. ADDRESS OF OPERATOR: 375 17th Street, Suite 1500 CITY: Denver STATE: CO ZIP: 80202		9. API NUMBER: 4304737489
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1223' FNL - 2155' FWL S.L.B. & M. COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Undesignated
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 1 11S 22E S		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: 2/2/2007	<input type="checkbox"/> ACIDIZE <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> DEEPEN <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> PLUG BACK <input type="checkbox"/> PRODUCTION (START/RESUME) <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> WATER SHUT-OFF <input checked="" type="checkbox"/> OTHER: Completion Delay for pipeline.
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

1. Enduring has been advised that the BLM pipeline sundry notice has been approved and mailed back to Enduring,
2. Enduring is planning to immediately start pipeline construction (subject to verbal start notice to BLM), and
3. Enduring shall perforate the well within the next week and then proceed diligently with completion of the well.

COPIES SENT TO BLM
10/11/07
10/11/07

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE <u>[Signature]</u>	DATE <u>2/2/2007</u>

(This space for State use only)

Accepted by the
Utah Division of
Oil, Gas and Mining

Federal Approval Of This
Action Is Necessary

Date: 2/12/07
By: [Signature]
(See Instructions on Reverse Side)

RECEIVED
FEB 08 2007

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-73903
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 375 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
PHONE NUMBER: (303) 350-5114		8. WELL NAME and NUMBER: Archy Bench 11-22-21-1
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1223' FNL - 2155' FWL S.L.B. & M. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 1 11S 22E S		9. API NUMBER: 4304737489
COUNTY: Uintah		10. FIELD AND POOL, OR WILDCAT: Undesignated
STATE: UTAH		

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 2/27/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input checked="" type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: Notice of First Gas Sales
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

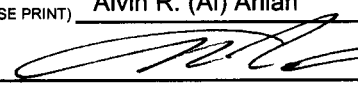
2-27-2007 First Gas Sales.

Placed on sales at noon on 2-27-07.

SICP was 1800#'s.

SITP was 1750#'s.

Selling gas at an instantaneous rate of 500 MCFD at 1700# FTP into the Anadarko pipeline system.

NAME (PLEASE PRINT) <u>Alvin R. (Al) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE 	DATE <u>2/28/2007</u>

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MAR 02 2007

DIV. OF OIL, GAS & MINING



Enduring Resources, LLC

475 17th St. - Suite 1500
Denver, CO 80202
(303) 573-1222

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**Drilling Chronological
Regulatory**

43-047-37489

Well Name: ARCHY BENCH 11-22-21-01											
Field Name:		Utah		S/T/R:		1/11S/22W		County, State:		UINTAH, UT	
Operator:		Enduring Resources LLC		Location Desc:		NENW-1-11S-22E		District:		Northern	
Project AFE:		DV00069		AFEs Associated:						/ / /	
Daily Summary											
Activity Date :		6/2/2006		Days From Spud :		0		Current Depth :		0 Ft	
24 Hr. Footage Made :										0 Ft	
Rig Company :				Rig Name:							
Formation :				Weather:							
Operations											
Start	Hrs	Code	Remarks					Start Depth	End Depth	Run	
6:00	4.00	24	WAITING ON CONSTRUCTION					0	0	NIH	
10:00	7.00	22	MI PONDEROSA CONSTRUCTION AND BEGIN BUILDING LOCATION					0	0	NIH	
17:00	13.00	24	SDFN					0	0	NIH	
Total:		24.00									
Daily Summary											
Activity Date :		6/3/2006		Days From Spud :		0		Current Depth :		0 Ft	
24 Hr. Footage Made :										0 Ft	
Rig Company :				Rig Name:							
Formation :				Weather:							
Operations											
Start	Hrs	Code	Remarks					Start Depth	End Depth	Run	
6:00	2.00	24	SDFN					0	0	NIH	
8:00	9.00	22	Building Location					0	0	NIH	
17:00	13.00	24	Shut down for weekend, to resume Monday.					0	0	NIH	
Total:		24.00									
Daily Summary											
Activity Date :		6/6/2006		Days From Spud :		0		Current Depth :		0 Ft	
24 Hr. Footage Made :										0 Ft	
Rig Company :				Rig Name:							
Formation :				Weather:							
Operations											
Start	Hrs	Code	Remarks					Start Depth	End Depth	Run	
6:00	2.00	24	SDFN					0	0	NIH	
8:00	9.00	22	Building Location					0	0	NIH	
17:00	13.00	24	SDFN					0	0	NIH	
Total:		24.00									
Daily Summary											
Activity Date :		6/7/2006		Days From Spud :		0		Current Depth :		0 Ft	
24 Hr. Footage Made :										0 Ft	
Rig Company :				Rig Name:							
Formation :				Weather:							
Operations											
Start	Hrs	Code	Remarks					Start Depth	End Depth	Run	
6:00	2.00	24	SDFN					0	0	NIH	
8:00	9.00	22	Building Location					0	0	NIH	
17:00	13.00	24	SDFN					0	0	NIH	
Total:		24.00									

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Well Name: ARCHY BENCH 11-22-21-01						
Field Name:	Utah	S/T/R:	1/11S/22W	County, State:	UINTAH, UT	
Operator:	Enduring Resources LLC	Location Desc:	NENW-1-11S-22E	District:	Northern	

Daily Summary						
Activity Date :	6/8/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made : 0 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building Location	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

Daily Summary						
Activity Date :	6/9/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made : 0 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building Location	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

Daily Summary						
Activity Date :	6/10/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made : 0 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building Location	0	0	NIH
17:00	13.00	24	Shut down for weekend. To resume Monday.	0	0	NIH
Total:	24.00					

Daily Summary						
Activity Date :	6/13/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made : 0 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building Location	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

Daily Summary						
Activity Date :	6/14/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made : 0 Ft
Rig Company :				Rig Name:		
Formation :				Weather:		

Operations						
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building Location	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

Well Name: ARCHY BENCH 11-22-21-01

Field Name:	Utah	S/T/R:	1/11S/22W	County, State:	UINTAH, UT
Operator:	Enduring Resources LLC	Location Desc:	NENW-1-11S-22E	District:	Northern

Daily Summary

Activity Date :	6/15/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :				Rig Name:			
Formation :				Weather:			

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building Location	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

Daily Summary

Activity Date :	6/16/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :				Rig Name:			
Formation :				Weather:			

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building Location	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

Daily Summary

Activity Date :	6/17/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :				Rig Name:			
Formation :				Weather:			

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building Location	0	0	NIH
17:00	13.00	24	Shut down for weekend. To resume Monday.	0	0	NIH
Total:	24.00					

Daily Summary

Activity Date :	6/20/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :				Rig Name:			
Formation :				Weather:			

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building Location	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

Daily Summary

Activity Date :	6/21/2006	Days From Spud :	0	Current Depth :	0 Ft	24 Hr. Footage Made :	0 Ft
Rig Company :				Rig Name:			
Formation :				Weather:			

Operations

Start	Hrs	Code	Remarks	Start Depth	End Depth	Run
6:00	2.00	24	SDFN	0	0	NIH
8:00	9.00	22	Building Location	0	0	NIH
17:00	13.00	24	SDFN	0	0	NIH
Total:	24.00					

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Well Name: ARCHY BENCH 11-22-21-01											
Field Name:		Utah		S/T/R:		1/11S/22W		County, State:		UINTAH, UT	
Operator:		Enduring Resources LLC		Location Desc:		NENW-1-11S-22E		District:		Northern	

Daily Summary															
Activity Date :		6/22/2006		Days From Spud :		0		Current Depth :		0 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :								Rig Name:							
Formation :								Weather:							

Operations													
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run	
6:00	2.00	24	SDFN							0	0	NIH	
8:00	9.00	22	Building Location							0	0	NIH	
17:00	13.00	24	SDFN							0	0	NIH	
Total:		24.00											

Daily Summary															
Activity Date :		6/23/2006		Days From Spud :		0		Current Depth :		0 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :								Rig Name:							
Formation :								Weather:							

Operations													
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run	
6:00	2.00	24	SDFN							0	0	NIH	
8:00	9.00	22	Building Location							0	0	NIH	
17:00	13.00	24	SDFN							0	0	NIH	
Total:		24.00											

Daily Summary															
Activity Date :		6/24/2006		Days From Spud :		0		Current Depth :		0 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :								Rig Name:							
Formation :								Weather:							

Operations													
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run	
6:00	2.00	24	SDFN							0	0	NIH	
8:00	9.00	22	Building Location							0	0	NIH	
17:00	13.00	24	Shut down for weekend							0	0	NIH	
Total:		24.00											

Daily Summary															
Activity Date :		6/27/2006		Days From Spud :		0		Current Depth :		0 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :								Rig Name:							
Formation :								Weather:							

Operations													
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run	
6:00	2.00	24	SDFN							0	0	NIH	
8:00	9.00	22	Building Location							0	0	NIH	
17:00	13.00	24	SDFN							0	0	NIH	
Total:		24.00											

Daily Summary															
Activity Date :		6/28/2006		Days From Spud :		0		Current Depth :		0 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :								Rig Name:							
Formation :								Weather:							

Operations													
Start	Hrs	Code	Remarks							Start Depth	End Depth	Run	
6:00	2.00	24	SDFN							0	0	NIH	
8:00	9.00	22	Building Location							0	0	NIH	
17:00	13.00	24	SDFN							0	0	NIH	
Total:		24.00											

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Well Name: ARCHY BENCH 11-22-21-01											
Field Name:		Utah		S/T/R:		1/11S/22W		County, State:		UINTAH, UT	
Operator:		Enduring Resources LLC		Location Desc:		NENW-1-11S-22E		District:		Northern	

Daily Summary															
Activity Date :		6/29/2006		Days From Spud :		0		Current Depth :		0 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :						Rig Name:									
Formation :						Weather:									

Operations											
Start	Hrs	Code	Remarks						Start Depth	End Depth	Run
6:00	2.00	24	SDFN						0	0	NIH
8:00	9.00	22	Building Location						0	0	NIH
17:00	13.00	24	SDFN						0	0	NIH
Total:		24.00									

Daily Summary															
Activity Date :		6/30/2006		Days From Spud :		0		Current Depth :		0 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :						Rig Name:									
Formation :						Weather:									

Operations											
Start	Hrs	Code	Remarks						Start Depth	End Depth	Run
6:00	2.00	24	SDFN						0	0	NIH
8:00	9.00	22	Building Location						0	0	NIH
17:00	13.00	24	SDFN						0	0	NIH
Total:		24.00									

Daily Summary															
Activity Date :		7/1/2006		Days From Spud :		0		Current Depth :		0 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :						Rig Name:									
Formation :						Weather:									

Operations											
Start	Hrs	Code	Remarks						Start Depth	End Depth	Run
6:00	2.00	24	SDFN						0	0	NIH
8:00	9.00	22	Building Location						0	0	NIH
17:00	13.00	24	Shut down for weekend.						0	0	NIH
Total:		24.00									

Daily Summary															
Activity Date :		7/3/2006		Days From Spud :		0		Current Depth :		0 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :						Rig Name:									
Formation :						Weather:									

Operations											
Start	Hrs	Code	Remarks						Start Depth	End Depth	Run
6:00	2.00	24	SDFN						0	0	NIH
8:00	9.00	22	FINISH BUILDING LOCATION AND INSTALL PIT LINER						0	0	NIH
17:00	13.00	24	SDFN						0	0	NIH
Total:		24.00									

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Well Name: ARCHY BENCH 11-22-21-01											
Field Name:		Utah		S/T/R:		1/11S/22W		County, State:		UINTAH, UT	
Operator:		Enduring Resources LLC		Location Desc:		NENW-1-11S-22E		District:		Northern	

Daily Summary											
Activity Date :		7/4/2006		Days From Spud :		0		Current Depth :		40 Ft	
24 Hr. Footage Made :		40 Ft									
Rig Company :				Rig Name:							
Formation :				Weather:							

Operations											
Start	Hrs	Code	Remarks						Start Depth	End Depth	Run
6:00	4.00	24	WAITING ON CONDUCTOR						0	0	NIH
10:00	7.00	02	MI PETE MARTING RATHOLE SERVICE AND DRILL 40 FT OF 20" CONDUCTOR HOLE. RUN 40 FT OF 14" CONDUCTOR PIPE AND CEMENT WITH 3 YARDS OF READMIX CEMENT						0	40	NIH
17:00	13.00	24	WAITING ON SURFACE						40	40	NIH
Total:		24.00									

Daily Summary											
Activity Date :		7/6/2006		Days From Spud :		0		Current Depth :		1110 Ft	
24 Hr. Footage Made :		1070 Ft									
Rig Company :				Rig Name:							
Formation :				Weather:							

Operations											
Start	Hrs	Code	Remarks						Start Depth	End Depth	Run
6:00	6.00	24	WAITING ON SURFACE						40	40	NIH
12:00	18.00	02	MI BILL MARTIN RATHOLE SERVICE AND DRILL 12 1/4" HOLE TO 1110 FT						40	1110	NIH
Total:		24.00									

Daily Summary											
Activity Date :		7/7/2006		Days From Spud :		0		Current Depth :		2040 Ft	
24 Hr. Footage Made :		930 Ft									
Rig Company :				Rig Name:							
Formation :				Weather:							

Operations											
Start	Hrs	Code	Remarks						Start Depth	End Depth	Run
6:00	24.00	02	DRILLING 12 1/4" HOLE TO 2040 FT. NOTE: NO WATER						1110	2040	NIH
Total:		24.00									

Daily Summary											
Activity Date :		7/8/2006		Days From Spud :		0		Current Depth :		2055 Ft	
24 Hr. Footage Made :		15 Ft									
Rig Company :				Rig Name:							
Formation :				Weather:							

Operations											
Start	Hrs	Code	Remarks						Start Depth	End Depth	Run
6:00	11.00	12	RIH WITH 49 JTS OF 8 5/8" 32# J55 SURFACE CASING. Cement shoe, float collar and 8 centralizers landed at 2013 ft. BIG 4 CEMENTERS PUMPED 230 SX LEAD, 250 SX TAIL AND 200 SX OF TOP CEMENT. CEMENT TO SURFACE.						2040	2040	NIH
17:00	13.00	24	WAITING ON ROTARY TOOLS (CHANGED TO PATT 51 KB)						2040	2055	NIH
Total:		24.00									

Daily Summary											
Activity Date :		7/9/2006		Days From Spud :		0		Current Depth :		2055 Ft	
24 Hr. Footage Made :		0 Ft									
Rig Company :				Rig Name:							
Formation :				Weather:							

Daily Summary											
Activity Date :		7/10/2006		Days From Spud :		0		Current Depth :		2055 Ft	
24 Hr. Footage Made :		0 Ft									
Rig Company :				Rig Name:							
Formation :				Weather:							

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2/23/2007

Well Name: ARCHY BENCH 11-22-21-01									
Field Name:	Utah	S/T/R:	1/11S/22W	County, State:	UINTAH, UT				
Operator:	Enduring Resources LLC	Location Desc:	NENW-1-11S-22E	District:	Northern				

Daily Summary									
Activity Date :	7/11/2006	Days From Spud :	-4	Current Depth :	2055 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					

Daily Summary									
Activity Date :	7/12/2006	Days From Spud :	-3	Current Depth :	2055 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					

Daily Summary									
Activity Date :	7/13/2006	Days From Spud :	-3	Current Depth :	2055 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					

Daily Summary									
Activity Date :	7/14/2006	Days From Spud :	0	Current Depth :	2055 Ft	24 Hr. Footage Made :	0 Ft		
Rig Company :				Rig Name:					
Formation :				Weather:					

Daily Summary									
Activity Date :	7/15/2006	Days From Spud :	0	Current Depth :	2100 Ft	24 Hr. Footage Made :	60 Ft		
Rig Company :	Patterson-UTI Drilling			Rig Name:	Patt 51				
Formation :	Green River			Weather:					

Operations									
Start	Hrs	Code	Remarks	Start Depth	End Depth	Run			
6:00	5.50	01	Rig Up Patterson #51	2040	2040	NIH			
11:30	4.00	15	Pressure test w/ B&C Quick Test as follows: Upper/Lower Kelly Valve, Inside BOP, Safty Valve, Blind/Pipe Rams, Choke Line & Manifold, Valves and Superchoke to 3000/250 PSI for 10/5 min - Annular Preventor to 1500/250 PSI for 10/5 min - 8 5/8" csg to 1500 PSI for 30 min - No Leaks	2040	2040	NIH			
15:30	1.50	21	Strap BHA & Drill Pipe	2040	2040	NIH			
17:00	0.50	07	Lubricate Rig	2040	2040	NIH			
17:30	0.50	22	Install Wear Bushing	2040	2040	NIH			
18:00	6.00	06	Pick Up BHA and TIH with Bit #1 - Tag cement @ 1963'	2040	2040	1			
0:00	0.50	23	Install Rotating Rubber/ Align BOP Stack	2040	2040	1			
0:30	4.00	21	Fill Drill Pipe, Test Mud Pumps, Drill Cement-FC-Cement-FS & 5 ft of Formation to 2033'	2040	2040	1			
4:30	0.50	22	Formation Integrity Test @ 2033' - Pressured up to 280 PSI (11.0 # Equiv MW) Lost 80 psi in 10 mins - OK	2040	2040	1			
5:00	1.00	02	Drilling Ahead F/2033 T/2100 (67' @ 67 ft/hr) WOB-6K, RPM-50, MTR-76	2040	2100	1			
Total:	24.00								

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
2100	5:00	8.33	0.00	0	0	0	0/0/0	0.0	0.0	0	0.00	0.0%	0.0%	0.0%	0.0%	
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
0.0	0.00	0.00	0.00	0.00	0	0	0	0.00	0.00	0	0	0.00		0		
Water Loss	LCM	ECD	FL Temp	UFT	Remarks											
0	0.0	0.0	0		Circ reserve pit											

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Well Name: ARCHY BENCH 11-22-21-01															
Field Name:	Utah	S/T/R:	1/11S/22W	County, State:	UINTAH, UT										
Operator:	Enduring Resources LLC	Location Desc:	NENW-1-11S-22E	District:	Northern										
Daily Summary															
Activity Date :	7/16/2006	Days From Spud :	2	Current Depth :	2859 Ft	24 Hr. Footage Made :	782 Ft								
Rig Company :	Patterson-UTI Drilling			Rig Name:	Patt 51										
Formation :	Green River			Weather:											
Operations															
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run						
6:00	0.50	02	DRLG NEW FORM F/ 2100' T/ 2123' - 23' @ 46 FT/HR				2100	2123	1						
6:30	0.50	10	SURVEY @ 2048' = 4.0 DEG INCL. - AZM = 124 DEG S/E				2100	2100	1						
7:00	2.50	02	DRLG NEW FORM F/ 2123' T/ 2219' - 96' @38.4 FT/HR				2100	2219	1						
9:30	0.50	10	SURVEY @ 2144' = 4.25 DEG INCL - AZM = 129 DEG S/E				2219	2219	1						
10:00	1.00	02	DRLG NEW FORM F/ 2219' T/ 2251' - 32' @ 32 FT/HR				2219	2251	1						
11:00	1.50	06	TOOH TO CHANGE OUT BHA				2251	2251	1						
12:30	2.00	06	LAY DOWN PACKED HOLE ASSEMBLY - PICK UP PENDULUM BHA TIH				2251	2251	1						
14:30	1.50	02	DRLG NEW FORM F/ 2251' T/ 2314' - ROP = 42 FT/HR				2251	2314	1						
16:00	0.50	07	SERV RIG				2314	2314	1						
16:30	0.50	02	DRLG NEW FORM F/ 2314' T/ 2327' - ROP = 26 FT/HR				2314	2327	1						
17:00	0.50	10	SURVEY @ 2268' = 3.75 DEG INCL - AZM = 124 DEG S/E				2327	2327	1						
17:30	2.50	02	DRLG NEW FORM F/ 2327' T/ 2442' - ROP = 46 FT/HR				2327	2442	1						
20:00	0.50	10	SURVEY @ 2367' = 3.5 DEG INCL - AZM = 126 DEG S/E				2442	2442	1						
20:30	1.00	02	DRLG NEW FORM F/ 2442' T/ 2539' - ROP = 97 FT/HR				2442	2539	1						
21:30	0.50	10	SURVEY @ 2464' = 3.25 DEG INCL - AZM = 129 DEG S/E				2539	2539	1						
22:00	2.00	02	DRLG NEW FORM F/ 2539' T/ 2635' - ROP = 48 FT/HR				2539	2635	1						
0:00	0.50	10	SURVEY @ 2560' = MISS RUN				2635	2635	1						
0:30	2.50	02	DRLG NEW FORM F/ 2635' T/ 2731' - ROP = 38.4 FT/HR				2635	2731	1						
3:00	0.50	10	SURVEY @ 2656' = MISS RUN				2731	2731	1						
3:30	2.50	02	DRLG NEW FORM F/ 2731' T/ 2859' - ROP = 51.2 FT/HR				2731	2859	1						
Total:	24.00														
Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
2242	10:00	8.33	0.00	0	0	0	0/0/0	0.0	0.0	0	0.00	0.0%	0.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	0.00	8.50	0.00	0.00	800	120	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	0.0	0		Circ reserve pit										

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Well Name: ARCHY BENCH 11-22-21-01															
Field Name:		Utah			S/T/R:		1/11S/22W			County, State:		UINTAH, UT			
Operator:		Enduring Resources LLC			Location Desc:		NENW-1-11S-22E			District:		Northern			
Daily Summary															
Activity Date :		7/17/2006		Days From Spud :		3		Current Depth :		3435 Ft		24 Hr. Footage Made :		576 Ft	
Rig Company :		Patterson-UTI Drilling					Rig Name:		Patt 51						
Formation :		Green River					Weather:								
Operations															
Start	Hrs	Code	Remarks								Start Depth	End Depth	Run		
6:00	0.50	10	Deviation Survey @ 2784' - 3.5 deg/126 SE (angle increased 0.25 deg in 320')								2859	2859	1		
6:30	4.00	02	Drilling Ahead F/2858' T/2956 (97' @ 24.3 ft/hr) WOB-9K, RPM-56, MTR-57								2859	2956	1		
10:30	0.50	10	Deviation Survey @ 2878' - 3.25 deg/120 SE (angle dropped 0.25 deg in 97')								2956	2956	1		
11:00	4.00	02	Drilling Ahead F/2956' T/3052' (96' @ 24 ft/hr) WOB-9K, RPM-70, MTR-57								2956	3052	1		
15:00	0.50	10	Deviation Survey @ 2973' - 3.50 deg/132 SE (angle increased 0.25 deg in 96')								3052	3052	1		
15:30	2.00	02	Drilling Ahead F/3052' T/3084' (32' @ 16 ft/hr) WOB-7K, RPM-65, MTR-57								3052	3084	1		
17:30	0.50	07	Lubricate Rig								3084	3084	1		
18:00	1.50	02	Drilling Ahead F/3084' T/3148' (64' @ 42.7 ft/hr) WOB-9K, RPM-65, MTR-57								3084	3148	1		
19:30	0.50	10	Deviation Survey @ 3074' - 3.5 deg/ 131 SE (no change in angle in 96 ft)								3148	3148	1		
20:00	4.50	02	Drilling Ahead F/3148' T/3243' (95' @ 21.1 ft/hr) WOB-10K, RPM-65, MTR-57								3148	3243	1		
0:30	0.50	10	Deviation Survey @ 3167' - 3.5 deg/131 SE (no change in angle in 91 ft)								3243	3243	1		
1:00	2.50	02	Drilling Ahead F/3243' T/3339' (96' @ 38.4 ft/hr) WOB-11K, RPM-66, MTR-57								3243	3339	1		
3:30	0.50	10	Deviation Survey @ 3264' - 3.5deg/131 SE (no change in angle in 96ft)								3339	3339	1		
4:00	2.00	02	Drilling Ahead F/3339' T/3435' (96' @ 48 ft/hr) WOB-12K, RPM-52, MTR-57								3339	3435	1		
Total:		24.00													
Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
3100	17:00	9.60	9.60	43	13	9	3/7/0	14.4	0.0	0	0.00	0.0%	0.0%	0.0%	0.0%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	10.60	0.70	0.50	1.00	2000	360	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT	Remarks									
0		0.0	0.0	100		Rig check @ 05:30: MW-9.7, Vis-45									

Well Name: ARCHY BENCH 11-22-21-01															
Field Name:		Utah		S/T/R:		1/11S/22W		County, State:		UINTAH, UT					
Operator:		Enduring Resources LLC		Location Desc:		NENW-1-11S-22E		District:		Northern					

Daily Summary															
Activity Date :		7/18/2006		Days From Spud :		4		Current Depth :		4140 Ft		24 Hr. Footage Made :		705 Ft	
Rig Company :		Patterson-UTI Drilling				Rig Name:		Patt 51							
Formation :		Wasatch				Weather:									

Operations															
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run
6:00	0.50	10	Deviation Survey @ 3357' - 3.5 deg/147SE (no change in angle)										3435	3435	1
6:30	2.50	02	Drilling Ahead F/3435' T/3532' (97' @ 38.8 ft/hr) WOB-14K, RPM-55, MTR-57										3435	3532	1
9:00	0.50	07	Lubricate Rig - Function Test BOP's										3532	3532	1
9:30	0.50	10	Deviation Survey @ 3454' - 3.0 deg/153SE (angle dropped 0.5 deg in 97 ft)										3532	3532	1
10:00	4.00	02	Drilling Ahead F/3532' T/3724' (192' @ 48 ft/hr) WOB-14K, RPM-60, MTR-57										3532	3724	1
14:00	0.50	10	Deviation Survey @ 3647' - 3.0 deg/155SE										3724	3724	1
14:30	5.50	02	Drilling Ahead F/3724' T/3884' (160' @ 29.1 ft/hr) WOB-15K, RPM-50, MTR-57										3724	3884	1
20:00	0.50	10	Deviation Survey @ 3807' - 3.0/146SE										3884	3884	1
20:30	7.00	02	Drilling Ahead F/3884' T/4076' (192' @ 27.4 ft/hr) WOB-17K, RPM-55, MTR-57										3884	4076	1
3:30	0.50	10	Deviation Survey @ 3850' - 3.0 deg/171 SE										4076	4076	1
4:00	2.00	02	Drilling Ahead F/4076' T/4140' (64' @ 32 ft/hr) WOB-17K, RPM-55, MTR-57										4076	4140	1
Total:		24.00													

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
3627	11:00	9.60	9.60	44	14	8	4/8/0	2.4	0.0	2	0.00	0.0%	0.0%	0.0%	0.2%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.3	10.50	0.70	0.50	1.00	2000	360	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT	Remarks									
0		0.0	0.0	104											

Daily Summary															
Activity Date :		7/19/2006		Days From Spud :		5		Current Depth :		4814 Ft		24 Hr. Footage Made :		674 Ft	
Rig Company :		Patterson-UTI Drilling				Rig Name:		Patt 51							
Formation :		Wasatch				Weather:									

Operations															
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run
6:00	3.50	02	Drilling Ahead F/4140' T/4269' (129' @ 36.9 ft/hr) WOB-17K, RPM-60, MTR-57										4140	4269	1
9:30	0.50	07	Lubricate Rig (Function Test BOP's)										4269	4269	1
10:00	0.50	10	Deviation Survey @ 4192' - 3.5 deg/134 SE (angle increased 0.5 deg in 193 ft)										4269	4269	1
10:30	5.50	02	Drilling Ahead F/4269' T/4460' (191' @ 35.7 ft/hr) WOB-17K, RPM-60, MTR-57										4269	4460	1
16:00	0.50	10	Deviation Survey @ 4394' - 3.75 deg/140 SE (angle increased 0.25 deg in 202 ft)										4460	4460	1
16:30	3.00	02	Drilling Ahead F/4460' T/4525 (65' @ 21.7 ft/hr) WOB-15K, RPM-60, MTR-57										4460	4525	1
19:30	0.50	10	Deviation Survey @ 4450' - 3.75/131 SE (no angle change in 65')										4525	4525	1
20:00	3.00	02	Drilling Ahead F/4525' T/4621' (96' @ 32 ft/hr) WOB-15K, RPM-60, MTR-57										4525	4621	1
23:00	0.50	10	Deviation Survey @ 4546' - 4 deg/156 SE (angle increased 0.25 deg in 96 ft)										4621	4621	1
23:30	3.00	02	Drilling Ahead F/4621' T/4718' (97' @ 32.3 ft/hr) WOB-15K, RPM-60, MTR-57										4621	4718	1
2:30	0.50	10	Deviation Survey @ 4643' - 3.75 deg/141 SE (angle dropped 0.25 deg in 97 ft)										4718	4718	1
3:00	3.00	02	Drilling Ahead F/4718' T/4814' (96' @ 32 ft/hr) WOB-17K, RPM-55, MTR-47										4718	4814	1
Total:		24.00													

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
4140	11:00	9.60	9.60	44	14	8	4/8/0	2.4	0.0	2	0.00	0.0%	0.0%	0.0%	0.2%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.3	10.50	0.70	0.50	1.00	2000	360	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT	Remarks									
0		0.0	0.0	104		Rig Check @ 5:00 am: MW-9.7, Vis-49									

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2/23/2007

Well Name: ARCHY BENCH 11-22-21-01															
Field Name:		Utah		S/T/R:		1/11S/22W		County, State:		UINTAH, UT					
Operator:		Enduring Resources LLC		Location Desc:		NENW-1-11S-22E		District:		Northern					

Daily Summary															
Activity Date :		7/20/2006		Days From Spud :		0		Current Depth :		5423 Ft		24 Hr. Footage Made :		609 Ft	
Rig Company :		Patterson-UTI Drilling				Rig Name:		Patt 51							
Formation :		Wasatch				Weather:									

Operations															
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run
6:00	0.50	10	Deviation Survey @ 4736 - 3.75 deg/134 SE (no angle change in 96 ft)										4814	4814	1
6:30	5.50	02	Drilling Ahead F/4814' T/5006' (192' @ 34.9 ft/hr) WOB-17K, RPM-60, MTR-57										4814	5006	1
12:00	0.50	07	Lubricate Rig (Function Test BOPs)										5006	5006	1
12:30	0.50	10	Deviation Survey @ 4922' - 3.25 deg/131 SE (angle dropped 0.5 deg in 192 ft)										5006	5006	1
13:00	5.00	02	Drilling Ahead F/5006' T/5134' (128' @ 25.6 ft/hr) WOB-20K, RPM-60, MTR-57										5006	5134	1
18:00	0.50	21	Stand Down Safety Meeting (New Patterson Requirement - Held 4 times/year)										5134	5134	1
18:30	2.00	02	Drilling Ahead F/5134' T/5199' (65' @ 32.5 ft/hr) WOB-20K, RPM-60, MTR-57										5134	5199	1
20:30	0.50	10	Deviation Survey @ 5124' - 3.5 deg/131SE (angle increased 0.25 deg in 193')										5199	5199	1
21:00	6.00	02	Drilling Ahead F/5199' T/5391' - 192' @ 32 FT/HR - WOB=20K = RPM - 60t + 56m = 116 TOTAL - SPM = 118 = GPM = 356 = PSI = 1075										5199	5391	1
3:00	1.00	10	SURVEY @ 5316' = 3.5 DEG. AZ = 151 DEG										5391	5391	1
4:00	2.00	02	DRILLING NEW FORM F/ 5391' T/ 5423' - 32' @ 16 FT/HR WOB = 20K - RPM = 60t + 56m = 116 total - SPM= 118 = 356 gpm = 1075psi										5391	5423	1
Total:		24.00													

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
5106	12:30	10.00	10.00	47	19	8	4/9/0	5.6	0.0	3	0.00	10.0%	90.0%	0.0%	0.5%
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
	9.50	0.30	0.10	0.60	1300	560	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	0.0	114												

Daily Summary															
Activity Date :		7/21/2006		Days From Spud :		7		Current Depth :		5839 Ft		24 Hr. Footage Made :		416 Ft	
Rig Company :		Patterson-UTI Drilling				Rig Name:		Patt 51							
Formation :		Wasatch				Weather:									

Operations															
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run
6:00	5.00	02	DRLG NEW FORM F/ 5423' T/5519' = 96' @ 19 FT/HR - WOB=17K - RPM= 35/45t + 56m = 91/101 TOTAL - 120SPM = 356GPM = 1250psi										5423	5519	1
11:00	0.50	10	SURVEY @ 5442' = 3.25DEG INCL. - 139 DEG AZ										5519	5519	1
11:30	5.00	02	DRLG NEW FORM F/ 5519' T/ 5615' - 95' @ 19 FT/HR - WOB= 15/20K - RPM = 40/50t + 56m = 96/116 TOTAL - SPM = 120 - 356GPM - 1275psi										5519	5615	1
16:30	0.50	07	SERVICE RIG										5615	5615	1
17:00	1.50	02	DRLG NEW FORM F/ 5615' T/ 5650' - 35' @ 23.3 FT/HR - WOB = 15/20K - RPM = 40/60t + 56m = 96/116 TOTAL - 120SPM - 356GPM - 1350psi										5615	5650	1
18:30	0.50	08	REPAIR AIR LINE TO LOW DRUM ON DRAW WORKS										5650	5650	1
19:00	5.50	02	DRLG NEW FORM F/ 5650' T/ 5711' - 61' @ 11 FT/HR - WOB= 18/20K - RPM = 55t + 56m = 111 TOTAL - 120spm - 356gpm - 1250psi										5650	5711	1
0:30	0.50	10	SURVEY @ 5636' = 3 DEG INCL. - AZM = 134 DEG S/E										5711	5711	1
1:00	5.00	02	DRLG NEW FORM F/ 5711' T/ 5839' - 128' @ 25.6 FT/HR - WOB 17K - RPM = 47t + 56m = 103 TOTAL - 120spm - 356gpm - 1350psi										5711	5839	1
Total:		24.00													

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
5501	10:00	10.20	10.30	43	20	7	3/5/0	6.0	0.0	3	0.00	10.8%	89.2%	0.0%	0.5%
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	9.50	0.20	0.60	0.60	1200	640	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	0.0	114												

Well Name: ARCHY BENCH 11-22-21-01															
Field Name:		Utah			S/T/R:		1/11S/22W			County, State:		UINTAH, UT			
Operator:		Enduring Resources LLC			Location Desc:		NENW-1-11S-22E			District:		Northern			

Daily Summary															
Activity Date :		7/22/2006		Days From Spud :		8		Current Depth :		6256 Ft		24 Hr. Footage Made :		417 Ft	
Rig Company :		Patterson-UTi Drilling						Rig Name:		Patt 51					
Formation :		Mesaverde						Weather:							

Operations															
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run
6:00	3.00	02	DRLG NEW FORM F/ 5839' T/ 5903' - 64' @ 21.3 ft/hr - WOB = 17/20K - RPM = 35/40t + 56m = 91/96 TOTAL - 120spm - 356gpm - 1250psi										5839	5903	1
9:00	0.50	07	SERV RIG										5903	5903	1
9:30	0.50	10	SURVEY @ 5826' = 2.5 DEG INCL. - AZM = 139 DEG S/E										5903	5903	1
10:00	8.00	02	DRLG NEW FORM F/ 5903' T/ 6095' - 192' @ 24 FT/HR - WOB = 19K - RPM = 40/45t + 56m = 96/101 TOTAL - SPM=120 - GPM = 356 - PP = 1250psi										5903	6095	1
18:00	0.50	10	SURVEY @ 6020' = 2.5 DEG INCL. - AZM = 131 S/E										6095	6095	1
18:30	9.75	02	DRLG NEW FORM F/ 6095' T/ 6256' - 161' @16.5 FT/HR - WOB = 16/19K - RPM = 40t + 56m = 96 TOTAL - SPM = 120 - GPM = 356 - PP = 1250psi										6095	6256	1
4:15	0.75	10	SURVEY @ 6181' = 2.0 DEG INCL. - AZM = 151 S/E										6256	6256	1
5:00	1.00	02	DRLG NEW FORM F/ 6+256' T/6288' - 32' @ 32 FT/HR - WOB = 15/20K - RPM = 35/50t + 56m = 91/106 TOTAL - SPM = 120 - GPM = 356 - PP = 1250psi										6256	6256	1
Total:		24.00													

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
5930	11:00	10.10	10.20	37	13	11	2/5/0	4.0	0.0	2	0.00	10.8%	89.2%	0.0%	0.2%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	9.60	0.30	0.20	0.60	1200	640	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT	Remarks									
0		0.0	14.2	116											

Daily Summary															
Activity Date :		7/23/2006		Days From Spud :		9		Current Depth :		6641 Ft		24 Hr. Footage Made :		385 Ft	
Rig Company :		Patterson-UTi Drilling						Rig Name:		Patt 51					
Formation :		Mesaverde						Weather:							

Operations															
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run
6:00	10.00	02	DRLG NEW FORM F/ 6256' T/ 6420' - 164' @ 16.4 FT/HR - WOB = 18/20K - RPM = 32/40t + 56m = 88/96 TOTAL - SPM = 120 - GPM = 356 - PP = 1250psi										6256	6420	1
16:00	1.00	10	SURVEY @ 6371' = 2.5 DEG INCL. - AZM = S139E DEG AZM CORRECTED TO TRUE NORTH										6420	6420	1
17:00	13.00	02	DRLG NEW FORM F/ 6420' T/ 6641' - 221' @ 17 FT/HR - WOB = 14/19K - RPM = 35/45t + 56m = 91/101 TOTAL - SPM = 120 - GPM = 356 - PP = 1375psi										6420	6641	1
Total:		24.00													

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
6344	10:00	10.30	10.40	39	15	4	3/7/0	12.0	0.0	3	0.00	12.3%	87.7%	0.0%	0.2%
MBT	pH	Pm	Pf	Mf	Cl	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	10.10	0.60	0.40	1.00	1000	160	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT	Remarks									
0		0.0	14.2	120											

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Well Name: ARCHY BENCH 11-22-21-01														
Field Name: Utah			S/T/R: 1/11S/22W			County, State: Uintah, UT								
Operator: Enduring Resources LLC			Location Desc: NENW-1-11S-22E			District: Northern								

Daily Summary									
Activity Date : 7/24/2006		Days From Spud : 10		Current Depth : 7058 Ft		24 Hr. Footage Made : 417 Ft			
Rig Company : Patterson-UTI Drilling				Rig Name: Patt 51					
Formation : Mesaverde				Weather:					

Operations									
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run
6:00	0.50	10	SURVEY @ 6566' = 2.25 DEG INCL - AZIM = 139 DEG S/E				6641	6833	1
6:30	7.50	02	DRLG NEW FORM F/ 6641' T/ 6769' - 128' @ 17 ft/hr - WOB = 15/20K - RPM = 35/45t + 56m = 91/101 - SPM = 120 - GPM = 356 - PP = 1250/1325psi				6833	6769	1
14:00	0.50	07	SERV RIG				6769	6769	1
14:30	2.50	02	DRLG NEW FORM F/ 6769' T/ 6833' - 64' @ 25.6 FT/HR - WOB = 18/20K - RPM = 40/45t + 56m = 96/101 - SPM = 120 - GPM = 356 - PP = 1325psi				6769	6833	1
17:00	0.50	10	SURVEY @ 6756' = 2.5 DEG INCL - AZIM = 139 S/E - AZIMUTH CORRECTED TO TRUE NORTH				6833	6833	1
17:30	11.00	02	DRLG NEW FORM F/ 6833' T/ 7025' - 192' @ 17.5 ft/hr - WOB = 15/17K - RPM = 35/45t + 56m = 91/101 TOTAL - SPM = 120 - GPM = 356 - PP = 1350 / 1450 psi				6833	7025	1
4:30	0.50	10	SURVEY @ 6950' = 2.25 DEG INCL - AZIM = 139 DEG S/E - AZ CORRECTED TO TRUE NORTH				7025	7025	1
5:00	1.00	02	DRLG NEW FORM F/ 7025' T/ 7058' - 33' @ 33 ft/hr - WOB = 17K - RPM = 45t + 56m = 101 - SPM = 120 - GPM = 356 - PP = 1450psi				7025	7058	1
Total: 24.00									

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
6682	9:30	10.20	10.30	38	14	6	3/7/0	11.5	0.0	2	0.00	11.5%	88.5%	0.0%	0.7%
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	10.10	0.60	0.40	1.10	1000	280	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	14.2	120												

Daily Summary									
Activity Date : 7/25/2006		Days From Spud : 11		Current Depth : 7560 Ft		24 Hr. Footage Made : 630 Ft			
Rig Company : Patterson-UTI Drilling				Rig Name: Patt 51					
Formation : Mesaverde				Weather:					

Operations									
Start	Hrs	Code	Remarks				Start Depth	End Depth	Run
6:00	7.00	02	DRLG NEW FORM F/ 7058' T/ 7184' - 126' @ 18 ft/hr - WOB = 15/18 - RPM = 40t + 56m = 96 - SPM = 120 - GPM = 356 - PP = 1350psi				7058	7184	1
13:00	0.50	10	SURVEY @ 7109' = 2.5 DEG INCL. - AZIM = 139 DEG S/E - AZIM CORRECTED TO TRUE NORTH				7184	7184	1
13:30	8.00	02	DRLG NEW FORM F/ 7184' T/ 7410' - 224' @ 28.25 ft/hr - WOB = 15/18K - RPM = 45t + 56m = 101 - SPM = 120 - GPM = 356 - PP = 1380psi				7184	7410	1
21:30	0.50	10	SURVEY @ 7336' = 2.5 DEG INCL. - AZIM = 133 DEG S/E				7282	7282	1
22:00	8.00	02	DRLG NEW FORM F/ 7410' T/ 7560' = 150' @ 25 ft/hr - WOB = 15/20K - RPM = 40/55t + 56m = 96 / 111 - SPM = 120 - GPM = 356 - PP = 1350/ 1450psi				7282	7560	1
Total: 24.00									

Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
7133	10:30	10.30	10.40	43	18	14	5/9/0	5.2	0.0	2	0.00	13.0%	87.0%	0.0%	0.5%
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	10.10	0.60	0.40	1.00	1000	80	0	0.00	0.00	0	0	0.00		0	
Water Loss	LCM	ECD	FL Temp	UFT	Remarks										
0	0.0	14.2	120												

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Well Name: ARCHY BENCH 11-22-21-01																	
Field Name:		Utah			S/T/R:		1/11S/22W			County, State:		UINTAH, UT					
Operator:		Enduring Resources LLC			Location Desc:		NENW-1-11S-22E			District:		Northern					

Daily Summary															
Activity Date :		7/26/2006		Days From Spud :		12		Current Depth :		7878 Ft		24 Hr. Footage Made :		318 Ft	
Rig Company :		Patterson-UTI Drilling						Rig Name:		Patt 51					
Formation :		Mesaverde						Weather:							

Operations																	
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run		
6:00	5.50	02	DRLG NEW FORM F/ 7560' T/ 7645' = 85' @ 15.5 FT/HR - WOB = 15/20K - RPM = 35/45t + 56m = 91/101 - SPM = 120 - GPM = 356 - PP = 1350psi										7560	7645	1		
11:30	0.50	07	SERV RIG										7645	7645	1		
12:00	0.50	21	MIX & PUMP PILL - DROP TOTCO - PREP TO TOOH FOR NEW BIT & MOTOR										7645	7645	1		
12:30	6.00	06	TOOH FOR BIT & MOTOR - LAY DOWN MOTOR BIT - MUD MOTOR WAS WORN OUT - BIT IN GOOD SHAPE										7645	7645	1		
18:30	5.00	06	PICK UP NEW MOTOR & RERUN HTC 506Z FROM LAST WELL - TIH -WASH 43' TO BOTTOM - HAD 10' OF FILL										7645	7645	2		
23:30	4.00	02	DRLG NEW FORM F/ 7645' T/ 7795' - 150' @ 37.5 ft/hr - WOB = 18/20K - RPM = 45/55t + 56m = 101/111 - SPM = 120 - GPM = 356 - PP = 1475psi										7645	7795	2		
3:30	0.50	10	SURVEY @ 7719' = 2.5 DEG INCL - AZIM = 133 DEG S/E - AZIMUTH CORRECTED TO TRUE NORTH										7795	7795	2		
4:00	2.00	02	DRLG NEW FORM F/ 7795' T/ 7878' - 83' @ 41.5 ft/hr - WOB = 18K - RPM = 45t + 56m = 101 - SPM = 120 - GPM = 356 - PP = 1450 psi										7795	7878	2		
Total:		24.00															

Mud Properties																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
7645	18:30	10.60	10.60	45	13	28	4/10/13	6.4	0.0	2	0.00	14.0%	86.0%	0.0%	0.5%		
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
	10.00	1.30	0.95	2.00	1000	120	0	0.00	0.00	0	0	0.00		0			
Water Loss	LCM	ECD	FL Temp	UFT	Remarks												
0	0.0	11.2	120														

Daily Summary															
Activity Date :		7/27/2006		Days From Spud :		13		Current Depth :		8420 Ft		24 Hr. Footage Made :		542 Ft	
Rig Company :		Patterson-UTI Drilling						Rig Name:		Patt 51					
Formation :		Castlegate						Weather:							

Operations																	
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run		
6:00	10.00	02	DRLG NEW FORM F/ 7878' T/ 8179' - 301' @ 30.1 ft/hr - WOB = 15/18K - RPM = 40/50t + 56m = 96/106 - SPM = 120 - GPM = 356 - PP = 1475psi										7878	8179	2		
16:00	0.50	07	SERV RIG										8179	8179	2		
16:30	13.50	02	DRLG NEW FORM F/ 8179' T/ 8420 - 241' @ 17.8 ft/hr - WOB = 18/20K - RPM = 45t + 56m = 101 - SPM = 120 - GPM = 356 - PP = 1475psi										8179	8420	2		
Total:		24.00															

Mud Properties																	
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand		
8090	18:30	10.70	10.70	50	16	26	4/10/12	6.4	0.0	2	0.00	15.0%	85.0%	0.0%	0.5%		
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss			
	10.00	1.30	0.90	1.70	1000	120	0	0.00	0.00	0	0	0.00		0			
Water Loss	LCM	ECD	FL Temp	UFT	Remarks												
0	0.0	11.2	120														

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Well Name: ARCHY BENCH 11-22-21-01														
Field Name:		Utah			S/T/R:		1/11S/22W			County, State:		UINTAH, UT		
Operator:		Enduring Resources LLC			Location Desc:		NENW-1-11S-22E			District:		Northern		

Daily Summary															
Activity Date :		7/28/2006		Days From Spud :		14		Current Depth :		8465 Ft		24 Hr. Footage Made :		45 Ft	
Rig Company :		Patterson-UTI Drilling						Rig Name:		Patt 51					
Formation :		Castlegate						Weather:							

Operations																
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run	
6:00	3.50	02	DRLG NEW FORM F/ ,8420' T/ 8465' - 45' @ 12.8 ft/hr - WOB =20K - RPM = 35/45 t + 56m = 91/101 - SPM = 120 - GPM = 356 - PP = 1525psi										8420	8465	2	
9:30	1.50	05	CIRC & COND HOLE & MUD FOR SHORT TRIP										8465	8465	2	
11:00	2.50	06	SHORT TRIP 40 STDS - WASH 70' TO BOTTOM - 3' OF FILL										8465	8465	2	
13:30	2.00	05	CIRC & COND FOR LOGS - DROP TOTCO - PUMP PILL										8465	8465	2	
15:30	5.50	06	TOOH FOR LOGS - - SLM= 8462.74' - LAYED DOWN IBS's & MUD MOTOR										8465	8465	2	
21:00	6.50	11	MIRU SCHLUMBERGER - HELD SAFETY MEETING - RAN TRIPLE-COMBO FROM 8456' (WLM) TO 2032'(BOTTOM OF SURFACE CSG)										8465	8465	2	
3:30	2.50	06	TRIP IN HOLE - TO CONDITION FOR CSG										8465	8465	2	
Total:		24.00														

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
8465	13:00	10.70	11.00	56	21	34	5/10/13	6.4	0.0	2	0.00	17.5%	82.5%	0.0%	0.5%	
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
	9.90	1.20	1.00	1.80	1000	160	0	0.00	0.00	0	0	0.00		0		
Water Loss	LCM	ECD	FL Temp	UFT	Remarks											
0	0.0	11.6	120													

Daily Summary															
Activity Date :		7/29/2006		Days From Spud :		15		Current Depth :		8465 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :		Patterson-UTI Drilling						Rig Name:		Patt 51					
Formation :		Castlegate						Weather:							

Operations																
Start	Hrs	Code	Remarks										Start Depth	End Depth	Run	
6:00	1.50	21	SLIP & CUT 170' OF DRILLING LINE										8465	8465	2	
7:30	3.00	06	TIH - TO CIRC & COND FOR CSG										8465	8465	2	
10:30	0.50	22	WASH 120' TO BOTTOM - 3 FEET OF FILL										8465	8465	2	
11:00	2.50	05	CIRC OUT GAS & COND HOLE FOR 4 1/2" PROD CSG										8465	8465	2	
13:30	7.50	06	MIRU FRANK'S LAYDOWN TRUCK - LAYING DOWN DP										8465	8465	2	
21:00	6.00	12	MIRU FRANK'S CSG TONGS -HELD SAFETY MEETING - RAN 198 JTS OF 4 1/2" 11.6# M80 LT&C TO 8449.85' (KB) - 8432.85' (G.L.) - PICKE UP JT # 199 - TAGGED BOTTOM @ 8466' - STRING WT = 86000K										8465	8465	2	
3:00	2.00	05	CIRC OUT GAS & COND HOLE FOR CEMENT										8465	8465	2	
5:00	0.50	21	LAYED DOWN JT #199 - MAKE UP 4 1/2" CSG HANGER & LANDING JT - CSG LANDED @ 8449.85' FROM KB - - 8432.85' FROM G.L.										8465	8465	2	
5:30	0.50	12	RIG DOWN CSG CREW										8465	8465	2	
Total:		24.00														

Mud Properties																
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand	
8465	13:00	11.00	11.00	46	18	24	4/9/12	6.8	0.0	2	0.00	17.5%	83.0%	0.0%	0.5%	
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss		
	9.50	0.95	0.75	1.20	1000	180	0	0.00	0.00	0	0	0.00		0		
Water Loss	LCM	ECD	FL Temp	UFT	Remarks											
0	0.0	11.6	120													

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Well Name: ARCHY BENCH 11-22-21-01															
Field Name:		Utah		S/T/R:		1/11S/22W		County, State:		UINTAH, UT					
Operator:		Enduring Resources LLC		Location Desc:		NENW-1-11S-22E		District:		Northern					
Daily Summary															
Activity Date :		7/30/2006		Days From Spud :		16		Current Depth :		8465 Ft		24 Hr. Footage Made :		0 Ft	
Rig Company :		Patterson-UTI Drilling				Rig Name:		Patt 51							
Formation :						Weather:									
Operations															
Start	Hrs	Code	Remarks									Start Depth	End Depth	Run	
6:00	3.75	12	MIRU HALLIBURTON - HELD SAFETY MEETING - TESTS LINES TO 4000psi - CEMENT W/ 118sx (450.3 cu/ft - 80bbls) LEAD @ 11.0ppg , 3.81yld , 23.41 gal/sk H2O + 1255sx (1526cu/ft-272.69bbls) TAIL @ 14.3 ppg, 1.22yld, 5.23gal/sk H2O - DISPLACED W/ 131.2bbls WATER - 1/2bbl OVER ON DISPLACEMENT - FINAL CIRC PRESS = 3030psi W/ 2bbls LEFT IN DISPLACEMENT - LOST 150psi AND ALL RETURNS - PUMPED 2.5 MORE bbls - DID NOT BUMP PLUG - PP= 2880psi - PRESSURE DROPPED TO 2375psi - SHUT DOWN PP STARTED INCREASING TO 2650psi - WHEN VALVE OPENED UP - 1bbl WATER BACK TO TRUCK - FLOATS HOLDING - LEFT CEMENT HEAD ON CSG - SHUT IN AT HEAD 4HRS SET UP TIME ON CEMENT									8465	8465	2	
9:45	5.75	01	CLEAN AND JET PITS - RIG RELEASED @ 1330 HRS 7/29/2006									8465	8465	2	
15:30	14.50	01	RIGGING DOWN TO MOVE RIG TO THE ASPHALT WASH 11-24-14-7									8465	8465	2	
Total:		24.00													
Mud Properties															
Depth	Time	Wt In	Wt Out	Vis	PV	YP	Gels	FL	HTFL	FC	HTFC	Solid	Water	Oil	Sand
8465	13:00	11.00	11.00	46	18	24	4/9/12	6.8	0.0	2	0.00	17.5%	83.0%	0.0%	0.5%
MBT	pH	Pm	Pf	Mf	CI	Ca	ES	Pom	Lime	Total Sal.	CaCl2	EDTA	O/W Ratio	Mud Loss	
0.0	9.50	0.95	0.75	1.20	1000	180	0	0.00	0.00	0	0	0.00		0	
Water Loss		LCM	ECD	FL Temp	UFT	Remarks									
0		0.0	11.6	120											

Formation									
Formation Name	Current Well Top	Subsea Datum	Ref Well Top	Elec Top	Comments				
Casing									
DateIn	Setting Depth	Jts Run	Type	Size	Weight	Grade	MINID	HoleDiam	TD
7/7/2006	2028	49	3. Surface	8.625	32	J-55		12.25	2040
Stage: 1, Lead, 0, 230, 16% GEL 1/4# FLOWCELE, Class G, 3.82, 11.1									
Stage: 1, Tail, 0, 250, 2% CACL2 1/4# FLOWCELE, Class G, 1.18, 15.8									
Stage: 1, , 0, 160, 4% CACL2, Class G, 1.18, 15.8									
Stage: 1, , 0, 40, 2% CACL2, Class G, 1.18, 15.8									
7/28/2006	8436.75	198	5. Production	4.5	11.6	N-80	0	7.875	8465
Stage: 1, Spacer, 10, 0, FRESH WATER, , 0, 0									
Stage: 1, Wash, 20, 0, MUD FLUSH, , 0, 0									
Stage: 1, Spacer, 10, 0, FRESH WATER, , 0, 0									
Stage: 1, Lead, 0, 118, HI-FILL + 16% GEL + 1% EX-1 + 10lb/sk GILSONITE + .25 lb/sk FLOCELE + .2% HR-7+ 3% SALT (BWOC) + 3lb/SK GRANULITE, Class G, 3.81, 11									
Stage: 1, Tail, 0, 1255, 50/50 POZ + 2% GEL +.6% HALAD-322 + 2% SUPERCBL + 5% SALT (BWOW) + .25lb/sk FLOCELE, Pozmix, 1.22, 14.3									
Stage: 1, Spacer, 131.2, 0, FRESH WATER + 2% CLAYFIX II, , 0, 0									

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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AMENDED REPORT ☐ FORM 8
(highlight changes)

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ OTHER _____

b. TYPE OF WORK: NEW WELL ☒ HORIZ. LATS. ☐ DEEP-EN ☐ RE-ENTRY ☐ DIFF. RESVR. ☐ OTHER _____

2. NAME OF OPERATOR:
Enduring Resources, LLC

3. ADDRESS OF OPERATOR: 475 17th St, Suite 1500 CITY Denver STATE CO ZIP 80202 PHONE NUMBER: (303) 573-1222

4. LOCATION OF WELL (FOOTAGES)
AT SURFACE: 1233' FNL - 2155' FWL
AT TOP PRODUCING INTERVAL REPORTED BELOW: same as above
AT TOTAL DEPTH: same as above

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU-73903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME
N/A

7. UNIT or CA AGREEMENT NAME
N/A

8. WELL NAME and NUMBER:
Archy Bench 11-22-21-01

9. API NUMBER:
4304737489

10. FIELD AND POOL, OR WILDCAT
Undesignated

11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:
NENW 1 11S 22E S

12. COUNTY: Uintah 13. STATE: UTAH

14. DATE SPUNDED: 7/15/2006 15. DATE T.D. REACHED: 7/27/2006 16. DATE COMPLETED: 2/27/2007 ABANDONED ☐ READY TO PRODUCE ☒

17. ELEVATIONS (DF, RKB, RT, GL):
5721 RKB

18. TOTAL DEPTH: MD 8,465 TVD 19. PLUG BACK T.D.: MD 8,393 TVD 20. IF MULTIPLE COMPLETIONS, HOW MANY? * 3 21. DEPTH BRIDGE PLUG SET: MD 8,300 TVD

22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)
Previously submitted. Pex, Tc, GR, Res, Por, Ait, Caliper

23. WAS WELL CORED? NO ☒ YES ☐ (Submit analysis)
WAS DST RUN? NO ☒ YES ☐ (Submit report)
DIRECTIONAL SURVEY? NO ☒ YES ☐ (Submit copy)

24. CASING AND LINER RECORD (Report all strings set in well)

HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED
20"	14"	line pipe	0	40		3 yards		0 (CIR)	0
12-1/4"	8 5/8 J55	32#	17	2,028		CI G 680	251	17(CIR)	0
7-7/8"	4 1/2 N80	11.60#	17	8,437		CI G 1,373	353	1515 (CBL)	0

25. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8"	5,184							

26. PRODUCING INTERVALS

FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS
(A) Wasatch	5,253	5,357			5,253 5,357	.38"	42	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(B) Mesaverde	7,524	7,550			7,524 7,550	.38"	25	Open <input checked="" type="checkbox"/> Squeezed <input type="checkbox"/>
(C)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>
(D)								Open <input type="checkbox"/> Squeezed <input type="checkbox"/>

28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND TYPE OF MATERIAL
5,253 - 5,357	Placed 108,339 lbs Ottawa 30/50 proppant in Wasatch formation
7,524 - 7,550	Placed 50,027 lbs Ottawa 30/50 proppant in Mesaverde formation

29. ENCLOSED ATTACHMENTS:

☐ ELECTRICAL/MECHANICAL LOGS ☐ GEOLOGIC REPORT ☐ DST REPORT ☐ DIRECTIONAL SURVEY
☐ SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION ☐ CORE ANALYSIS ☐ OTHER: _____

30. WELL STATUS:

Producing

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DIV. OF OIL, GAS & MINING

31. INITIAL PRODUCTION

INTERVAL A (As shown in item #26)

DATE FIRST PRODUCED: 2/27/2007	TEST DATE: 2/27/2007	HOURS TESTED: 24	TEST PRODUCTION RATES: →	OIL – BBL: 0	GAS – MCF: 500	WATER – BBL: 0	PROD. METHOD: Flowing
CHOKE SIZE: 64/64	TBG. PRESS. 1,700	CSG. PRESS. 1,800	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS: Producing

INTERVAL B (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL C (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

INTERVAL D (As shown in item #26)

DATE FIRST PRODUCED:	TEST DATE:	HOURS TESTED:	TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	INTERVAL STATUS:

32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)

SOLD

33. SUMMARY OF POROUS ZONES (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)
Green River	1,400				
Wasatch	3,850				
Mesaverde	6,002				
Buck Tongue Sha	8,207				
Castlegate Silt	8,242				
Castlegate Sand	8,314				

35. ADDITIONAL REMARKS (Include plugging procedure)

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.

NAME (PLEASE PRINT) Kevin Lee

TITLE Engineering Tech

SIGNATURE

DATE

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation

- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

** ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Box 145801
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

CONFIDENTIAL

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL ☐ GAS WELL ☒ OTHER _____

2. NAME OF OPERATOR:
Enduring Resources, LLC

3. ADDRESS OF OPERATOR:
475 17th Street, Ste 1500 CITY Denver STATE Co ZIP 80202

PHONE NUMBER:
(303) 350-5114

4. LOCATION OF WELL

FOOTAGES AT SURFACE: 1233' FNL - 2155' FWL

S.L.B. & M.

COUNTY: Uintah

QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 1 11S 22E S

STATE: UTAH

5. LEASE DESIGNATION AND SERIAL NUMBER:
UTU-73903

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
N/A

7. UNIT or CA AGREEMENT NAME:
N/A

8. WELL NAME and NUMBER:
Archy Bench 11-22-21-1

9. API NUMBER:
4304737489

10. FIELD AND POOL, OR WILDCAT:
Wildcat

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 4/26/2007	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> OTHER: _____
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

In order to prevent waste of gas, as defined by law; to protect the correlative rights of all parties concerned; to prevent the drilling of un-necessary wells; and to insure proper and efficient development and promote conservation of the gas resources of the State of Utah, Enduring Resources, LLC respectfully request approval to perforate and commingle the Wasatch and Mesaverde formations "pools" in the same well bore.

1. Ownership in both formations is the same. However, in the event allocation of production is necessary, that allocation will be based on proportionate net pay based on well logs.
2. These formations shall be commingled in the well bore and produced concurrently in a single string of 2-3/8" production tubing.
3. Attached is a map showing the location of wells on contiguous oil and gas leases and/or production units.
4. Also attached is an affidavit confirming that this application has been provided to leasehold interest owners in contiguous oil and gas lease or production units overlying the "pool."

6-29-07
DM

NAME (PLEASE PRINT) Alvin R. (Al) Arlian

TITLE Landman - Regulatory Specialist

SIGNATURE

DATE 4/26/2007

(This space for State use only)
APPROVED BY THE STATE
OF UTAH DIVISION OF
OIL, GAS AND MINING

Federal Approval Of This
Action Is Necessary

RECEIVED
MAY 02 2007

(5/2000)

DATE 6/26/07
BY [Signature]

(See Instructions on Reverse Side)

DIV. OF OIL, GAS AND MINING

Al Arlian

From: Dustin Doucet [dustindoucet@utah.gov]
Sent: Friday, May 18, 2007 1:11 PM
To: Al Arlian
Subject: Commingling Applications

Al,

There were several recent applications for commingling that I received that did not have any attachments (the plat, affidavit etc.). I am thinking these correspond all to wells that have already been commingled without the approval and this may be the reason the attachments were not submitted. I do need the attachments in order to approve the commingling. Following is the list of API #'s for wells I have a Sundry but no attachments:

4304736277
4304736788
4304735902
4304736308
4304736235
4304737489
4304736424
4304735861
4304736407

I don't believe I have approved these previous and don't think I have any more documentation in the office. Let me know if I am off base on this. Otherwise please submit the requested information. Give me a call if you have questions. Thanks.

Dustin

Dustin K. Doucet
Petroleum Engineer
Utah Division of Oil, Gas and Mining
Oil and Gas Program
1594 West North Temple, Suite 1210
Salt Lake City, UT 84116

Phone: (801) 538-5281
fax: (801) 359-3940
email: dustindoucet@utah.gov

RECEIVED

MAY 24 2007

DIV. OF OIL, GAS & MINING

ENDURING RESOURCES, LLC

425 Seventeenth Street, Suite 1500

Denver, Colorado 80202

Telephone: 303-573-1222

Facsimile: 303-573-0461

April 26, 2007

Mr. Gilman A. Hill
7128 S. Poplar Lane
Centennial, CO 80112-1635

CERTIFIED MAIL

ARTICLE NO: 7006 2760 0002 2884 3849

Attention: Land Department

**RE: Commingling Application
Archy Bench 11-22-21-1
1233' FNL - 2155' FWL (NENW) Section 1, T11S-R22E
Uintah County, Utah**

Dear Leasehold Interest Owner:

Enduring Resources, LLC ("Enduring") has filed an application with the State of Utah Division of Oil, Gas, and Mining requesting approval of the Wasatch and Mesaverde formations (pools) in the above-referenced well to be commingled.

Ownership in both formations is the same. However, in the event allocation of production is necessary, that allocation will be based on proportionate net pay based on well logs. These formations (pools) shall be commingled in the well's well bore.

Attached is a map showing the location of wells on contiguous oil and gas leases and/or production units. Also attached is an affidavit confirming that this application has been provided to leasehold interest owners in contiguous oil and gas leases or production units overlying the commingled pools (commingled formations).

Should you have any questions concerning this matter, please do not hesitate to call (303-350-5114)

Very truly yours

ENDURING RESOURCES, LLC



Alvin R. (Al) Arlian
Landman – Regulatory Specialist

ara/

Attachments as stated:

AFFIDAVIT OF MAILING

Statue of Colorado)
City and)ss.
County of Denver)

Alvin R. Arlian (hereinafter sometimes referred to as "Affiant"), of lawful age, being first duly sworn upon oath, deposes and says:

1. Affiant is a Landman-Regulatory Specialist for Enduring Resources, LLC (hereinafter sometimes referred to as "Enduring") whose address is 475 17th Street, Denver, Colorado 80202,
2. Enduring is the operator of the following described oil and gas well:

**Archy Bench 11-20-21-1
1233' FNL - 2155' FWL (NENW) Section 1, T11S-R22E
Uintah County, Utah**

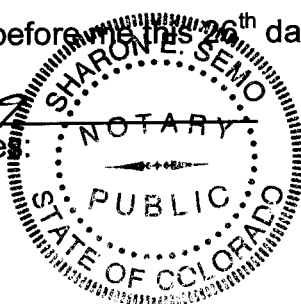
3. A cursory search of applicable records confirmed that the following parties are the only leasehold interest owners in the contiguous oil and gas wells, contiguous oil and gas leases, or contiguous oil and gas well production units overlying the "pool."
 1. Gilman A. Hill
 2. The Houston Exploration Company
 - 3.
 - 4.
4. On Wednesday, April 25, 2007 Affiant mailed (or caused to be mailed) in U.S. Mail, with postage prepaid, a copy of the attached Application for Commingling two or more pools (formations) in one well bore of the well described in Paragraph No. 2 above which said Application for Commingling (Form 9) has/had concurrently been filed with the State of Utah Division of Oil, Gas, and Mining (and if applicable, copies sent to SITLA, and the Bureau of Land Management), and
5. Attached is a map showing the location of wells' located on contiguous oil and gas leases and/or production units.

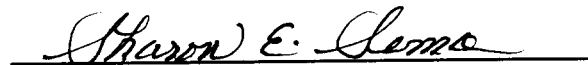
Affiant saith no more.


Alvin R. Arlian, Affiant

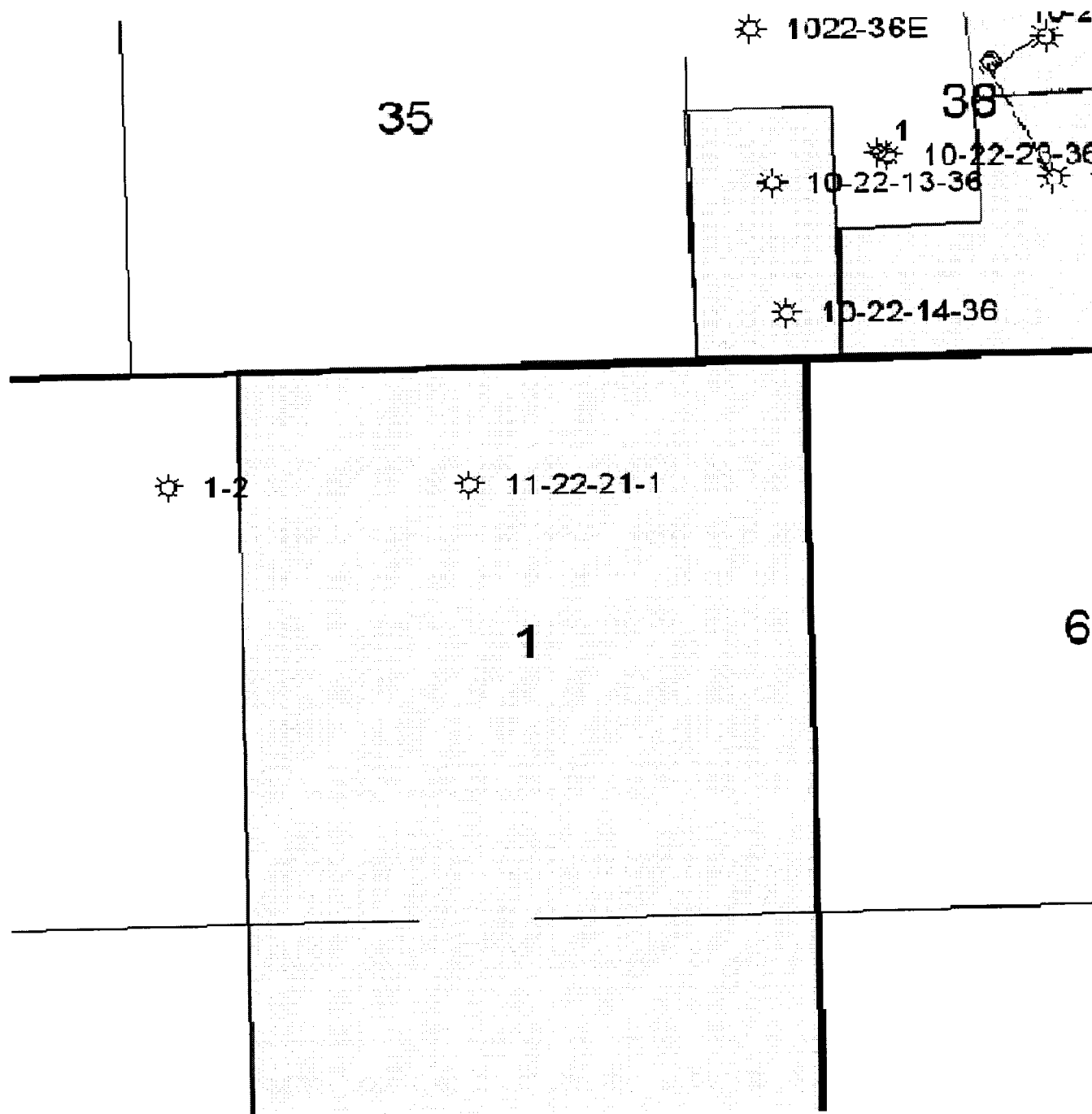
Scribed and sworn to before me this 26th day of April, 2007 by Alvin R. Arlian.

9/23/2007
My Commission Expires:




Notary Public.

MAP ATTACHED TO ENDURING RESOURCES, LLC COMMINGLING
APPLICATION FOR ARCHY BENCH 11-22-21-1 LOCATED IN THE NENW
SEC. 1, T11S-R22E



STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

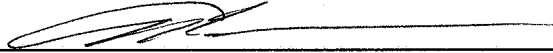
1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-73903
2. NAME OF OPERATOR: Enduring Resources, LLC		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: N/A
3. ADDRESS OF OPERATOR: 375 17th Street, Suite 1500 CITY Denver STATE CO ZIP 80202		7. UNIT or CA AGREEMENT NAME: N/A
PHONE NUMBER: (303) 350-5114		8. WELL NAME and NUMBER: Archy Bench 11-22-21-1
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1223' FNL - 2155' FWL S.L.B.& M. COUNTY: Uintah		9. API NUMBER: 4304737489
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NENW 1 11S 22E S STATE: UTAH		10. FIELD AND POOL, OR WILDCAT: Undesignated

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA			
TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input checked="" type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: 9/29/2008	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>Commingling</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	<u>Conformation</u>

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

2-27-2007 First Gas Sales.

Conformation that well was commingled in the Wasatch and Mesaverde formations "pools" in the initial completion attempt.

NAME (PLEASE PRINT) <u>Alvin R. (AI) Arlian</u>	TITLE <u>Landman - Regulatory Specialist</u>
SIGNATURE 	DATE <u>9/29/2008</u>

(This space for State use only)

RECEIVED
OCT 02 2008
DIV. OF OIL, GAS & MINING